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ABSTRACT

This guidebook is a comprehensive national directory of federal offices, programs, and facilities supporting K-12 education in the subject areas of mathematics and science. It is intended to inform educators and the public about federally supported resources and to increase access to them. This publication contains information on federal offices and programs at the national and regional levels and also lists state-by-state contacts for many of these resources in regions. Section 1 of this publication identifies contacts for national programs administered by each federal agency or department, while section 2 lists state highlights by region, and alphabetically by state or territory. (ASK)

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The Guidebook of Federal Resources for K–12 Mathematics and Science

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Eisenhower National
Clearinghouse
for Mathematics and
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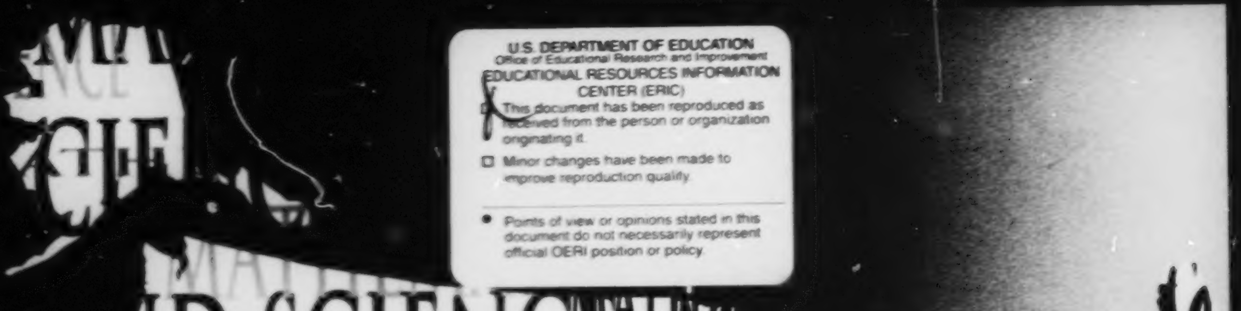
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The Guidebook of Federal Resources for K-12 Mathematics and Science was produced by the Eisenhower National Clearinghouse for Mathematics and Science Education (ENC). Comments or corrections should be forwarded to ENC.

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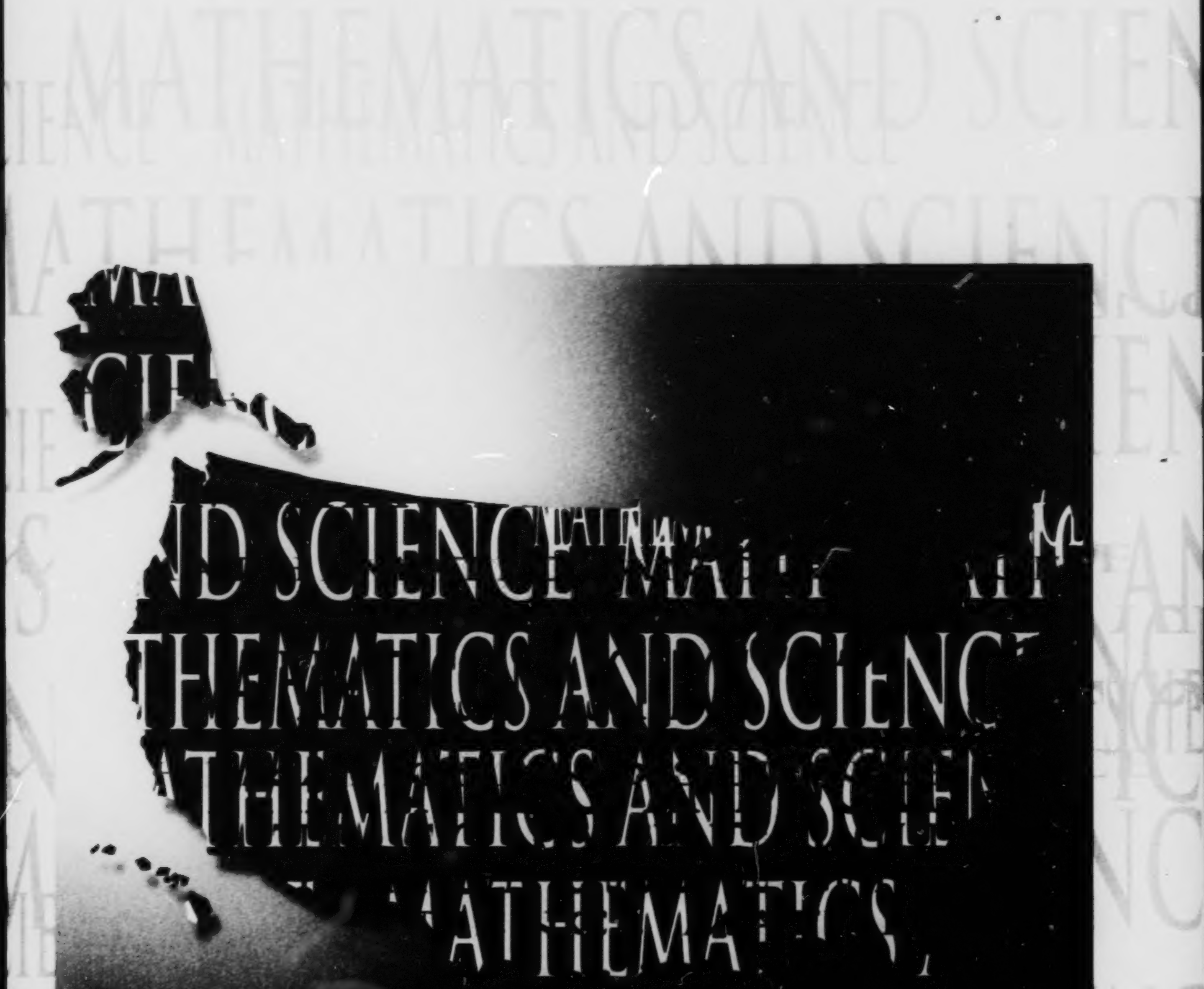
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1997–98

UNITED STATES DEPARTMENT OF EDUCATION

OFFICE OF THE ASSISTANT SECRETARY
FOR EDUCATIONAL RESEARCH AND IMPROVEMENT

Dear Reader:

The Guidebook of Federal Resources for K-12 Mathematics and Science is a comprehensive national directory of Federal offices, programs, and facilities supporting K-12 education in these subject areas. It is intended to inform educators and the public about Federally supported resources and to increase access to them. This publication contains information about Federal offices and programs at the national and regional levels and also lists state-by-state contacts for many of these resources in your region.

This is the fourth edition of the *Guidebook* prepared by the Eisenhower National Clearinghouse (ENC). Information in this publication is also available in electronic format as part of ENC's effort to provide online information and resources, including an extensive catalog of K-12 curriculum materials. Distribution of the *Guidebook* will also take place through the Eisenhower Regional Consortia, which work in collaboration with ENC to provide technical assistance and disseminate information to improve mathematics and science education.

This publication is part of an ongoing effort of the Office of Educational Research and Improvement and of the entire U.S. Department of Education to bring about educational reform and answer the President's Call to Action for American Education in the 21st Century. The Eisenhower National Clearinghouse and Regional Consortia, working together, are a significant force for reaching National Education Goal Five, that American students will be first in the world in mathematics and science achievement by the year 2000.

We believe you will find *The Guidebook of Federal Resources for K-12 Mathematics and Science* to be a valuable tool as you seek ways to enrich students' learning and to improve their performance in mathematics and science.

Sincerely,

Ronald W. Cartwright

Ronald W. Cartwright
Acting Director
Office of Reform Assistance
and Dissemination

WASHINGTON, D.C. 20208-

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Foreword

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Eisenhower National
Clearinghouse
for Mathematics and
Science Education

The Eisenhower National Clearinghouse for Mathematics and Science Education (ENC) is pleased once again to publish *The Guidebook of Federal Resources for K–12 Mathematics and Science.* This directory is part of our continuing effort to identify and disseminate information about materials and programs that strengthen mathematics and science education in the United States. Section One of this publication identifies contacts for National programs administered by each Federal agency or department, while Section Two takes a regional approach, listing Federally funded programs in each State and Territory.

Located at The Ohio State University, the Clearinghouse is funded through a contract with the Office of Educational Research and Improvement of the U.S. Department of Education. The major mission of ENC is to provide K–12 teachers with a comprehensive source of information about mathematics and science education. In addition, ENC works closely with the Eisenhower Regional Consortia in the National effort to support systemic educational reform. The Consortia and the Clearinghouse collaborate to identify and distribute curricular materials for K–12 mathematics and science as well as products and services that enhance the professional development of teachers and other educators.

ENC produces a variety of print publications and CD-ROMs available free to educators. In addition, all ENC materials, including this *Guidebook*, are available through ENC Online, a World Wide Web site accessible via the Internet and by modem through a toll-free number. For details on how to receive ENC publications or how to access ENC Online, refer to the following pages.

I wish to thank the representatives of the Federal agencies and the Regional Consortia who provided information included in this *Guidebook*. I also wish to acknowledge the support provided by Aspen Systems Corporation and the work of the ENC Publications team who made this edition of *The Guidebook* possible.

Len Simutis, Director
Eisenhower National Clearinghouse for Mathematics and Science Education

About The Guidebook and ENC

How to Use *The Guidebook*

The purpose of this *Guidebook* is to assist educators, parents, and students across the country in attaining the National Education Goals, particularly Goal 5:

> *By the year 2000, U.S. students will be first in the world in science and mathematics achievement.*

The Guidebook is intended to improve educators' awareness of the Federal Government's extensive commitment to mathematics and science education. Sixteen Federal agencies collaborated with the Eisenhower National Clearinghouse (ENC) to produce this publication. Although *The Guidebook* contains valuable information for anyone involved in mathematics and science education, its focus is on the elementary and secondary levels. Programs described include those that assist students who will go on to study in college or technical school as well as programs intended to improve general mathematics and science literacy.

The Guidebook consists of two sections:

Section One: Agency Overviews

Section One contains general information about each of the 16 agencies. Listed alphabetically, each overview highlights that agency's involvement in mathematics and science education and acquaints readers with agency-specific background information. Also listed are nationwide mathematics and science programs for elementary and secondary education sponsored by each agency. Each entry includes the program name, a brief description, and contact information.

Section Two: State Highlights by Region

Section Two lists, by region, Federally funded programs and resources available in each State and Territory. Each of the ten regional subsections begins with a description of the Eisenhower Regional Consortium serving that part of the country. By referring to the State-by-State listings of facilities and contacts for mathematics and science education, readers can easily discover what resources are available locally.

No one resource can list all Federal education programs, but this directory does provide contacts that can supply additional information. For added convenience, *Guidebook* contents are also available through ENC Online at http://www.enc.org.

About ENC

The U.S. Department of Education recognizes the efforts expended by mathematics and science educators to develop standards and improve their teaching. The Department also recognizes the need to identify and collect useful materials and to disseminate information about successful programs, especially those emanating from Federal support.

ENC was established in 1992 to provide K–12 teachers with a central source of information about mathematics and science curriculum materials. Since that time, ENC has fulfilled its mission through development of the growing ENC collection of resources. In addition, ENC has gone on to promote excellence in mathematics and science education through the creation of a variety of products and services, described below.

ENC Collection

ENC has acquired and cataloged several thousand items, including print materials, video, audio, graphic images, software, kits, and Internet resources from a variety of sources, including Federal and State agencies, commercial publishers, and professional associations. Materials collected are held in two ENC repositories, one at The Ohio State University in Columbus, Ohio, and one in Washington, DC, in collaboration with The George Washington University. Categories of materials include the following:

- **Printed Documents** such as activity guides, teacher and student guides, sourcebooks, reference materials, textbooks, program descriptions, published articles, directories, bibliographies, and technical information about instructional equipment.
- **Magnetic and Optical Media** such as software, images (e.g., GIF, JPEG, EPS), CD-ROMs, optical and laserdiscs, videotapes, and audiotapes.
- **Projected Media** such as films, slides, filmstrips, overhead transparencies, microfiche, and microfilm.
- **Real Objects** such as kits, manipulative materials, microcomputer-based packages and probeware, instructional models, games and simulations, assorted instructional aids (e.g., posters, maps, charts), and laboratory or field equipment.
- **Virtual Resources** including education materials available on the Internet such as World Wide Web pages, ftp sites, listserv archives, and frequently asked question (FAQ) files.

ENC Resource Finder

Resource Finder, an electronic catalog of K–12 curriculum resources, is designed for teachers who often have limited time and unlimited needs. With input from teachers on types of information they want to see in a catalog record, ENC developed a unique and comprehensive system. Each record has more than 20 fields, including standard library fields—title, author, subjects, publication date, and publisher—as well as fields unique to the needs of educators—grade level, table of contents, evaluation, and resource type.

Catalog entries provide detailed information about resources and enable ready access to materials that enhance classroom activities and support professional development. For example, Resource Finder includes extensive information on:

- **Content**—ENC's abstracts are detailed and comprehensive, with sufficient information about a resource to help teachers make informed decisions. The abstracts contain information about instructional methods, assessment, intended outcomes, and any special features, including appendices and bibliographies.
- **Evaluation**—A significant part of ENC's mission is to locate and include evaluative

information about the resources cataloged. Such evaluations include awards, field tests, and citations in journals and magazines. In addition, ENC collects evaluative data from teachers who use these materials in their classrooms. Teachers are invited to contribute their comments about resources through forms linked to the catalog record.

- **Standards**—To accommodate the growing emphasis on State and National standards for education, the ENC catalog contains information about linking certain materials to mathematics and science standards. When a resource meets particular standards, as indicated by the author or publisher, that information is detailed in the Standards field.

ENC Online

By accessing ENC Online, users may readily obtain a variety of electronic resources, including the contents of this *Guidebook* and other ENC publications, the ENC Resource Finder, resources from other education databases, and information and materials on education reform. Anyone with a computer and a modem or Internet access may use ENC Online. (See directions for access on page ix.) The following are just a few of the features of ENC Online:

- **Professional Development Exchange** is a searchable database with descriptions of professional development activities and opportunities. Anyone who knows of a conference or workshop can enter relevant information into the Exchange. If the activity benefits math and science educators, it will be posted to the public database. Then all Online users can search, using criteria ranging from cost, to State, to activity type, and find activities that best meet their professional development needs. Grants available to educators will also be entered into the Exchange.

- **Digital Dozen** is a list of exemplary Internet sites chosen monthly. Links to other Web sites with lesson plans and activities are provided. Teachers will also find copies of the latest standards and curriculum frameworks as well as information for their own professional development. Also included are grant opportunities and articles from math and science education journals.

- **Innovator of the Month** is a section devoted to profiles of creative educators who are trying new techniques, taking risks, and finding success. In reading these monthly stories online, other educators will find the ideas and the support they need to attempt new challenges.

ENC on Disc

CD-ROMs contain thousands of text pages as well as sound, images, and digital video. ENC has created six CD-ROMs as another interactive way to access ENC materials including Resource Finder. The CD-ROM version duplicates the online catalog and can be browsed easily. In addition, the discs contain information on State curriculum frameworks, assessment methods, standards, equity issues, and professional development, as well as materials describing innovative practices in mathematics and science education. The discs also provide curriculum materials that teachers may use in the classroom. ENC distributes one free copy of each CD-ROM to U.S. public schools requesting one on school letterhead.

ENC in Print

In addition to this *Guidebook*, ENC produces publications for teachers and others interested in education. Publications available free from ENC include:

- **ENC Focus**, a mini-catalog that pulls together information about a select group of mathematics and science curriculum resources on various topics. Recent issues have featured equity in the classroom, integrating mathematics and science, data analysis, hands-on resources, calculator-active materials, and others.

- **ENC Update**, a newsletter published three times per school year. *Update* features information about ENC and promising uses of technology in education.

ENC Reference Staff

The ENC Reference Desk is staffed by professional reference librarians who answer questions concerning curriculum resources and can help educators make the best use of Clearinghouse resources. They can provide assistance with:

- **Locating** K–12 teaching resources for classroom use.

- **Using** the ENC Resource Finder.

- **Answering** other mathematics or science education-related questions.

In addition, ENC Online lets users give feedback or ask questions directly from the Web pages. For example, teachers can go to the ENC Virtual Reference Desk, submit a question, and mail it electronically to ENC librarians. Reference staff will respond within two working days.

ENC Is Always Seeking Math and Science Materials

ENC counts on publishers, Federal agencies, professional organizations, and teachers to assist in the effort to provide broad access to information about curriculum materials. ENC's audience is anyone looking for science and curriculum materials, including:

- **K–12 teachers** looking for quality materials for their mathematics and science classrooms.

- **Library and media specialists** searching for mathematics and science materials for clients.

- **School administrators and curriculum developers** seeking materials that facilitate curriculum reform.

- **K–12 students** in mathematics and science.

- **University faculty** conducting research, developing new curricula, and educating preservice teachers.

- **Parents and community members** interested in mathematics and science resources.

Educators who know of valuable K–12 mathematics and science materials are invited to contact ENC's Acquisitions Coordinator and mention the items they would like to see in the collection. Please provide as much information as possible about the items. In addition, ENC actively seeks information available on the Internet, such as World Wide Web (WWW) sites where educational materials are stored. Educators who maintain such a site or know of one are requested to pass on the information to ENC.

Additional Information About ENC

Accessing ENC Online

Internet:

Using World Wide Web software, connect to ENC at http://www.enc.org. With an Internet connection, use the telnet command to connect to enc.org and login as guest.

Modem:

With a modem, dial (800) 362-4448 for toll-free access. For direct access, dial (614) 292-9040.

Set communication software to:
VT100 terminal emulation. No parity, 8 data bits, 1 stop bit. Once connected, press RETURN or ENTER once to bring up a screen and type c to begin. Login as guest.

General Information

Toll-Free Telephone: (800) 621-5785
Direct Telephone: (614) 292-7784
E-mail: info@enc.org
Fax: (614) 292-2066
Hours: Monday-Friday: 8 a.m.-5 p.m./ET

Technical Help Desk

Toll-Free Telephone: (800) 621-5785
Direct Telephone: (614) 292-9590
E-mail: help@enc.org
Hours: Call the toll-free number for hours when the Technical Help Desk is staffed.

Reference Desk

Toll-Free Telephone: (800) 621-5785
Direct Telephone: (614) 292-9734
E-mail: library@enc.org
Hours: Call the toll-free number for hours when the Reference Desk is staffed.

Acquisitions

Toll-Free Telephone: (800) 621-5785
Direct Telephone: (614) 292-8389
E-mail: submit@enc.org

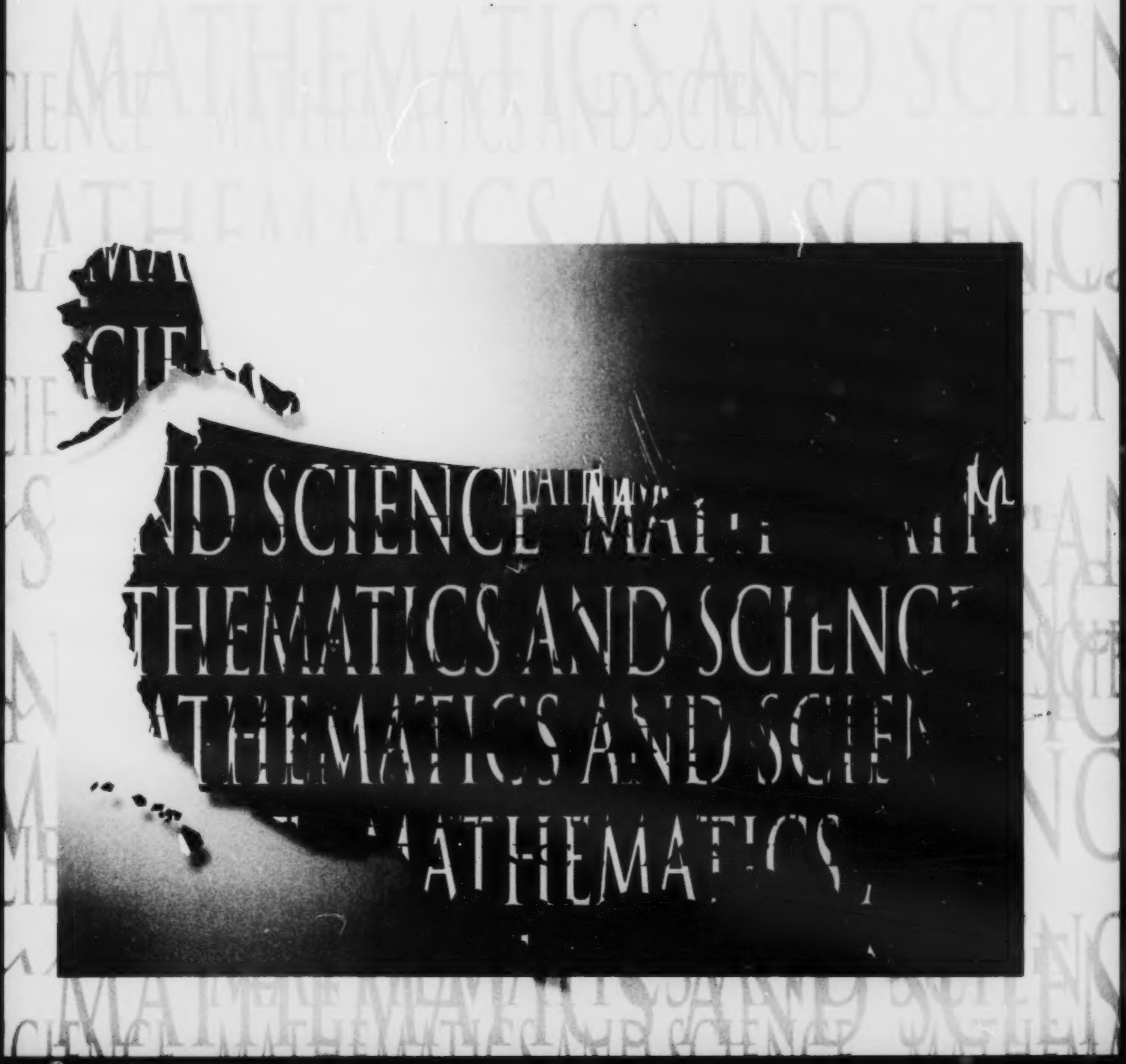
Mailing Address

Eisenhower National Clearinghouse for
Mathematics and Science Education
The Ohio State University
1929 Kenny Road
Columbus, OH 43210-1079

ENC Demonstration Sites

In collaboration with the Eisenhower Regional Consortia, ENC has established regional Demonstration Sites that provide educators across the Nation a place for hands-on access to ENC online resources. For information about the Consortia, refer to the preface for each region in Section Two of this *Guidebook*.

Overviews of Federal Agencies


MATHEMATICS AND SCIENCE

Section I

U.S. Department of Agriculture (USDA)

To compete effectively in the increasingly complex world of international agribusiness and agri-science, America needs professionals who are highly skilled in the food and agricultural sciences. USDA is committed to developing human resources by strengthening its sponsorship of science and mathematics programs at all levels of learning.

Dan Glickman, Secretary
U.S. Department of Agriculture

Mission

The U.S. Department of Agriculture (USDA) is authorized to provide the leadership, oversight, and management necessary to ensure that the United States has adequate supplies of high-quality food and fiber. The Department supports and conducts a wide range of research, development, extension, and education activities to achieve that mission.

Background

On May 15, 1862, President Abraham Lincoln signed the act creating the U.S. Department of Agriculture. The Department has since helped make American agriculture the most productive in the world, giving the American people the most varied and wholesome food supply for the smallest share of disposable income of any people in the world. On July 2, 1862, President Lincoln signed the Morrill Land-Grant College Act, which established colleges in each State to educate young men and women in agriculture. This Act brought higher education within reach of youth of ordinary means and elevated what had been called "agricultural training" to a scientific enterprise. In 1890, an additional group of 17 Historically Black Colleges and Universities was given land-grant status to enable the Department to serve all populations. The Food and Agriculture Act of 1977 designated USDA as the lead Federal Agency for higher education in the food and agricultural sciences.

Role in Mathematics and Science Education

USDA's education efforts have helped produce scientific and nonscientific professionals who have made American agriculture the most effective and efficient agricultural system in the world. The Department has accomplished the transfer of new technologies and scientific knowledge via research agencies, such as the Cooperative State Research, Education, and Extension Service; the Agricultural Research Service; and the Forest Service. USDA is also home to the National Agricultural Library, the largest agricultural library in the world. Other USDA agencies with research and education programs include the Animal and Plant Health Inspection Service, the Agricultural Marketing Service, the Food and Consumer Service, the Foreign Agriculture Service, the Natural Resources Conservation Service, and the National Agricultural Statistics Service.

Elementary and Secondary Education

USDA precollege activities devoted exclusively to mathematics and science are few. However, its Ag in the Classroom Program provides National coordination for States, helping to increase K–12 students' awareness of agriculture's role in the economy and society. USDA's Research Apprenticeship Program annually supports approximately 200 high school students' (primarily minority and female youth) hands-on research experience with scientists in Federal and university laboratories. Scientific literacy among K–12 students is sustained by support from the many 4-H Youth Development Programs. Teacher enhancement is an integral part of these programs.

Higher Education

Because of the need to ensure an adequate supply of trained scientists and professionals in the food and agricultural sciences, USDA was designated as the lead Federal agency for higher education in these fields. Program areas include agriculture, natural resources and forestry, veterinary medicine, family and consumer sciences, and related disciplines. In response to its congressional mandate, USDA established the Office of Higher Education Programs, which provides National leadership to:

- Achieve and maintain excellence in college and university programs in the food and agricultural sciences.
- Produce outstanding graduates to satisfy the Nation's requirements for scientific and professional expertise.
- Enhance the synergism of research and teaching.

In this respect, USDA supports the development of expertise through both predoctoral traineeships at universities and postdoctoral traineeships in Federal laboratories as mechanisms to train personnel for critical positions with government, academia, and the private sector.

USDA's role in undergraduate education is even more extensive. The Office of Higher Education Programs (HEP) functions primarily as a catalyst to promote excellence in education, working closely with the States, the college and university systems, and the private sector. HEP administers several high-priority programs to enhance the quality of education and to develop outstanding scientific and professional expertise at colleges and universities across the Nation. For example, minority expertise development is funded through the Multicultural Scholars Program, launched in 1994. Institutional enhancement occurs through six grants programs, three formula (Delta Teachers Academy, Tribal Colleges Endowment Fund, and Tribal Colleges Education Equity Grants Program) and three competitive (1890 Institution Capacity Program, Higher Education Challenge Grants Program, and Hispanic-Serving Institutions Grants Program), amounting in fiscal year 1997 to approximately $24 million. Other National projects enhance the development of issues and information and the development of strategic planning.

Public Understanding of Science

USDA fosters public understanding of science through a variety of programs, including an annual Food Safety Campaign, held to coincide with National Consumers Week. Also provided are a Nutrition Education and Training Program and a USDA Meat and Poultry Hotline. In addition, approximately 100 Federal laboratories of the Agricultural Research Service provide tours and open-house activities to educate the general public on new developments in agricultural research.

How Mathematics and Science Education Programs Are Administered

The Under Secretary for Research, Education, and Extension has overall authority for educational initiatives within USDA. Most agencies referenced in this section are under the Under Secretary's direct purview. The Office of Higher Education Programs of the Cooperative State Research, Education, and Extension Service is the operating division most involved with college and university science education. The National Agricultural Research, Extension, Education, and Economics Advisory Board, established by Congress in 1996, advises the Secretary and land-grant colleges and universities on long-term and short-term National policies and priorities relating to the Department's research, education, and economics mission. The Board is made up of members from food and agricultural science organizations, societies, associations, and institutions representing a wide range of interest groups. USDA offers an unparalleled National network for advancing science and education through its Federal laboratories, State Agricultural Experiment Station System, university scientists and educator cooperators, professional staff, and volunteer lay leaders.

Administrative Offices for Mathematics and Science Education

Agricultural Research Service

This service operates approximately 100 Federal laboratories and research centers nationwide and overseas. Scientists at these laboratories are valuable resources for science-enrichment initiatives at the precollege and college levels.

Administrator, Agricultural Research Service
U.S. Department of Agriculture
Room 302-A, Whitten Building
1400 Independence Avenue SW
Washington, DC 20250-0301
(202) 720-3656 / Fax: (202) 720-5427
E-mail: actadm@ars.usda.gov

Cooperative State Research, Education, and Extension Service (CSREES)

CSREES advances science and technology in support of agriculture, forestry, people, and communities in partnership with the State Agricultural Experiment Station System and the State Cooperative Extension System. CSREES also serves as the Federal partner in the Cooperative Extension System, a unique educational partnership with land-grant institutions in each State, territory, and the District of Columbia. The partnership includes more than 130 colleges of agriculture; 59 agricultural experiment stations; 57 cooperative extension services; 63 schools of forestry; Tuskegee University and the other 16 Historically Black Colleges and Universities as designated in 1890; 27 colleges of veterinary medicine; 42 schools and colleges of family and consumer sciences; 29 Native American land-grant institutions, as designated in 1994; more than 160 Hispanic-serving institutions, including some 80 members and 45 associate members of the Hispanic Association of Colleges and Universities. The Cooperative Extension System is a valuable resource for technology transfer and issue identification at all education levels. CSREES administers the 4-H Program, which is one of the largest informal youth development programs in the country. The local county Cooperative Extension Service office can be contacted for more information about education programs. Offices are listed under local government in the telephone directory.

Dr. B. H. Robinson, Administrator
Cooperative State Research, Education,
and Extension Service
U.S. Department of Agriculture
Room 305-A, Whitten Building
1400 Independence Avenue SW
Washington, DC 20250-2201
(202) 720-4423 / Fax: (202) 720-8987
E-mail: CSREES@reeusda.gov

Forest Service

The Forest Service expanded its involvement in conservation education in 1990 by launching the Natural Resource Conservation Education Program (NRCEP), which was developed to help implement the Environmental Education Act of 1990. The program was established service-wide to strengthen natural resources education efforts. It is jointly sponsored by the Forest Service and the National Association of State Foresters. Its primary objective is to support a lifelong learning process that promotes the understanding of natural resources and ecosystems—their interrelationships, conservation, use, management, and values to society. NRCEP works with partners to jointly sponsor conservation education projects throughout the Nation. These joint projects combine Federal, State, local, and private funds to increase the money available for conservation education programs. Some of the current National NRCEP projects include: Project Learning Tree, National Children's Forests, Investigating Your Environment, Girl Scouts of the USA, and Boy Scouts of America. The NRCEP office can be contacted for more information about education programs.

Natural Resource Conservation Education
Program
Forest Service
U.S. Department of Agriculture
1400 Independence Avenue SW
PO Box 96090
Washington, DC 20090-6090
(202) 205-1545

National Agricultural Library

The National Agriculture Library administers library services and programs and is the largest agricultural library in the world.

Pamela Andre, Director
National Agriculture Library
U.S. Department of Agriculture
10301 Baltimore Boulevard, Room 200
Beltsville, MD 20705-2351
(301) 504-5248 / Fax: (301) 504-5472
E-mail: info@nalusda.gov

Office of Civil Rights Enforcement (OCRE)

OCRE develops and enforces USDA's civil rights principles, policies, standards, and regulations. OCRE ensures compliance with government-wide regulations governing civil rights management.

Director, Office of Civil Rights Enforcement
U.S. Department of Agriculture
Room 1322, South Building
1400 Independence Avenue SW
Washington, DC 20250-1322
(202) 720-5212 / Fax: (202) 205-2891

Office of Public Affairs

This office provides general information on USDA programs.

Director, Office of Public Affairs
U.S. Department of Agriculture
Whitten Building, Room 402-A
14th Street and Independence Avenue SW
Washington, DC 20250-1301
(202) 720-4623 / Fax: (202) 720-5043

National Programs for K–12 Education

4-H/Honda Mentorship Project

This project provides an opportunity for teams of teenagers to work with adult mentors in hands-on problem-solving experiences in engineering at Honda's technical training sites across the country. The curriculum includes working as a team and managing time and resources to solve science-related problems.

Director, National 4-H Council
7100 Connecticut Avenue NW
Chevy Chase, MD 20815
(301) 961-2853

4-H Missions in Space Program

This partnership between National 4-H and the Alabama Space Science Exhibit Commission encourages youth to attend the Space and Rocket Center in Alabama and the Astronaut Hall of Fame in Florida. Space Camp allows students to participate in a variety of science and technology activities. Scholarships are available to assist underrepresented youth.

Extension 4-H Specialist, ACES-4-H
211 Duncan Hall
Auburn University, AL 36849-5620
(205) 844-2233

4-H Regional Leadership Centers

Designed to complement the National Network for Action in Science and Technology, Regional Leadership Centers train community-based teams in informal science education and are responsible for keeping these teams up to date on new programs. Regional Centers are currently operating in California, Georgia, Missouri, and New York.

Coordinator, National Network for Action
and Science Technology
6H Berkey Hall
Michigan State University
East Lansing, MI 48824-1111
(517) 355-0180

4-H Specialist, Agriculture and Natural
Resources
University of California at Davis
300 Lakeside Drive
Davis, CA 95616
(916) 752-8824

4-H Science Experience and Resources for Education Settings (SERIES) Program

The National 4-H SERIES Program increases both the quantity and quality of science experiences available to students in a way that promotes a greater understanding of science. SERIES trains teenagers as science coaches for youth ages 9–12. Teens also work under the mentorship of practicing scientists, explore possible career opportunities in science and technical fields, and participate in community service. Training for SERIES is conducted through the four Regional Leadership Centers.

Project Director, 4-H SERIES
Division of Agriculture and Natural
Resources
University of California at Davis
300 Lakeside Drive
Davis, CA 95616
(916) 752-8824

4-H Youth Development Programs

Under the Cooperative State Research, Education, and Extension Service, these programs spark interest in mathematics and science among American youth. The purpose of the programs is to complement classroom education with informal, experiential education in community settings. Approximately six million youth, ages 5–18, participate in school enrichment programs, clubs, and special events. The 4-H organization receives substantial support from volunteers and private-sector contributors. Each State has a 4-H State Leader who can provide more information about 4-H activities.

National Program Leader
Families, 4-H, and Nutrition
USDA Cooperative State Research,
Education, and Extension Service
Room 3860, South Building
Washington, DC 20250-0900
(202) 720-5516 / Fax: (202) 720-9366

Ag in the Classroom

This program helps students gain a greater understanding of agriculture's role in the economy and society, and informs students about career opportunities in food and agricultural sciences. While the Department of Agriculture provides National leadership, each State develops its own programs in cooperation with agribusiness, education, and government. Information about State programs is available through the Washington, DC office. The Ag in the Classroom State Leader can provide details on State-level programs and materials.

Director, Ag in the Classroom
U.S. Department of Agriculture
Room 4309, South Building
Washington, DC 20250-0991
(202) 720-5727 / Fax: (202) 690-0062
E-mail: ewolanyk@reeusda.gov

Black Emphasis Program

This program develops academies that focus on African-American males at the middle school level. The academies provide students with early science experiences, mentors, and role models to enhance self-confidence and to develop an interest and desire to achieve in science-related fields. Academies are funded through two Historically Black Colleges and Universities.

Black Emphasis Program Manager
U.S. Department of Agriculture
Room 1322, South Building
1400 Independence Avenue SW
Washington, DC 20250-1322
(202) 720-2019 / Fax: (202) 690-2345

Infusing Aquaculture into Agriculture Education

Through congressional appropriations in 1990–1995, USDA initiated a pilot program, Infusing Aquaculture into Agriculture Education, to develop materials, conduct field tests, and provide training in aquaculture for selected teachers across the country. The 1,100-page, five-volume curriculum is proving valuable in teaching high school students the principles of science and mathematics related to aquatic organisms. The program is being adapted by some schools for middle school and elementary students.

Director, Higher Education Programs
Cooperative State Research, Education, and
Extension Service
U.S. Department of Agriculture
Ag Box 2251
14th and Independence Avenue SW
Washington, DC 20250-2251
(202) 720-1973 / Fax: (202) 720-2030

National Network for Action in Science and Technology

The National Network creates a stronger link of land-grant colleges and universities that provides technical assistance to the Federally-funded sites for at-risk children, youth, and families. The Network provides trainers with the information and skills necessary to return to their local communities and train others to implement science and technology curricula and processes. In addition, trainers learn how to recruit participants, promote programs, and establish advisory and planning groups.

Coordinator, National Network for Action
and Science Technology
6H Berkey Hall
Michigan State University
East Lansing, MI 48824-1111
(517) 355-0180

Research Apprenticeship Program

This program provides summer employment in university and Federal research laboratories for high school students who exhibit strong mathematics and science aptitude. One-fourth of the students receive Federal support; the remainder are supported by State and private funds leveraged by the Federal partner. Many research apprentices are females or minorities. Participants interact directly with scientists at USDA laboratories and gain valuable experience in agricultural science.

Rosanna Taylor, Manager
U.S. Department of Agriculture
Office of the Administrator, Special Programs
Room 3552-S
1400 Independence Avenue SW
Washington, DC 20250-0301
(202) 720-3511

Research Apprenticeship Program for Minority High School Students

This program provides summer employment for minority high school students with strong scientific aptitude. Participants also have the opportunity to interact with research scientists and gain firsthand experience in a research environment at selected university laboratories.

Coordinator, 1890 Programs
U.S. Department of Agriculture
Cooperative State Research, Education, and
  Extension Service
Ag Box 2209
Washington, DC 20250-2209
(202) 720-3511 / Fax: (202) 720-3398
E-mail: mmayes@reeusda.gov

SPACES: Preparing Kids for a High-Tech and Global Future

SPACES is an informal, community-based science education program that uses hands-on techniques to prepare students for the global, high-tech society of the future. This programming framework shows how to set up a science education program for children ages 5–14 and how to involve community scientists, technicians, and others with science and technology expertise. The program focuses on aerospace, the environment, and relationships. Extensive curriculum support is available.

Michigan 4-H Youth Programs
Michigan State University
6H Berkey Hall
East Lansing, MI 48824-1111
(517) 355-0180 / Fax: (517) 355-6748
E-mail: olsenj@msue.msu.edu

Teachers' Research Fellowship Program

This program offers temporary employment to mathematics, biology, or physical science teachers at the junior or senior high school level. Teachers work under an Agricultural Research Service scientist on specific research problems tailored for completion within a set time period. The program provides teachers with firsthand agricultural and food-related research experience that can be transferred to the classroom.

Rosanna Taylor, Manager
U.S. Department of Agriculture
Office of the Administrator, Special Programs
Room 3552-S
1400 Independence Avenue SW
Washington, DC 20250-0301
(202) 720-3511

Youth Conservation Corps

This summer employment program is offered by the Departments of Agriculture and the Interior. Students ages 15–18 work on projects to further the development and conservation of U.S. natural resources. Work projects are planned, directed, and executed to give the enrollees an understanding of their tasks and of how their work contributes to environmental enhancement.

Director, Human Resources Programs
U.S. Department of Agriculture
Forest Service
PO Box 96090
Washington, DC 22209
(703) 235-8834

U.S. Department of Commerce (DOC)

> *In this time of unparalleled and unprecedented economic integration, students must think of themselves not only as citizens of the United States, but as active participants in a global marketplace. Our broad goals for the 21st century must continue to address the rapidly changing nature of the American economy and empower our students and workers with the opportunities to move into this global marketplace with confidence and a sense of pride.*
>
> **William S. Daley, Secretary**
> **U.S. Department of Commerce**

Mission

The U.S. Department of Commerce (DOC) encourages, serves, and promotes the Nation's international trade, economic growth, and technological advancement. Within this framework, and with a policy of promoting the National interest through the encouragement of a competitive free enterprise system, the Department provides a wide variety of programs.

Background

The Department was established by Congress in 1913 through a reorganization of the Department of Commerce and Labor, which had been created in 1903. Today, DOC has 13 agencies in areas such as international trade, technology, the oceans and the atmosphere, economic and social data, travel and tourism, patents and trademarks, and telecommunication.

Role in Mathematics and Science Education

The National Institute of Standards and Technology and the National Oceanic and Atmospheric Administration have missions that involve scientific research and technical applications, and, therefore, have the greatest role in science and mathematics education within DOC.

Elementary and Secondary

Most DOC precollege activities consist of voluntary outreach by the professional staff or cooperative efforts with other organizations, with minimal direct funding available.

Higher Education

DOC has developed a cooperative education program to provide work-related educational opportunities to students, as well as graduate and postdoctoral fellowships.

How Mathematics and Science Education Programs Are Administered

DOC agencies that offer education programs self-administer their respective programs.

Administrative Offices for Mathematics and Science Education

National Institute of Standards and Technology, Office of International and Academic Affairs / Postdoctoral Programs

As the National laboratory for measurement science and engineering, with emphasis on state-of-the-art research, the National Institute of Standards and Technology maintains a strong program of postdoctoral education. The Institute sponsors numerous postdoctoral research fellowships in collaboration with the National Research Council of the National Academy of Sciences.

Dr. Jack Hsia / Joy Brooks, Academic Affairs
Room A505, Administration
National Institute of Standards and
  Technology
Gaithersburg, MD 20899
(301) 975-3071 / Fax: (301) 975-3530
E-mail: v.brooks@nist.gov

Kimberly J. Goode, Student Coordinator
National Institute of Standards and
  Technology
Office of Personnel and Civil Rights
Administration Building, Room A123
Gaithersburg, MD 20899
(301) 975-3026

The National Oceanic and Atmospheric Administration (NOAA)

National Sea Grant Program-NOAA

NOAA's National Sea Grant Program, in conjunction with 29 universities and institutions, promotes a strong educational base through a network of more than 300 university and marine research institutions. Sea Grant reaches its audiences through workshops, conferences, brochures, videotapes, films, radio shows, newsletters, and local educational programs. For more information about a nearby Sea Grant institution, contact the National Sea Grant Office.

National Sea Grant College Program
National Oceanic & Atmospheric
  Administration
1315 East-West Highway
Silver Spring, MD 20910
(301) 713-2431 / Fax: (301) 713-0799

National Weather Service-NOAA

The National Weather Service supports educational programs developed by a wide variety of outside organizations. Examples are the American Meteorological Society's Project Atmosphere, the Weather Channel's Weather Classroom, and the NBC/WRC-TV project to develop public access to earth and space science data visualizations via TV and the Internet. Project Atmosphere prepares teachers to be Atmospheric Education Resource Agents so that they can act as a bridge between meteorologists and teachers in the classroom. The Weather Classroom, which is on the air ten minutes each day Monday through Friday, has a companion textbook. A series of publications on severe weather are being distributed to schools and the public to increase awareness and use of the National Weather Radio Service.

Joan VonAhn
NOAA National Weather Service
Services Development Branch
1325 East-West Highway
Silver Spring, MD 20910
(301) 713-0462

NOAA Office of Public and Constituent Affairs

This office has a limited number of publications suitable for classroom instruction that teachers can request by mail. Some of these titles are also available on the Internet. Users can access information online by typing "Telnet gopher.esdim.noaa.gov" at the Internet prompt, logging in as "gopher" and selecting "Connection to NOAA's Online

Data," and then selecting "Answers from NOAA: Educational Resources (Public Affairs)." This information can also be found at http://www.noaa.gov/public-affairs/ at "Answers from NOAA."

NOAA Public and Constituent Affairs Office
14th & Constitution Avenue NW
Room 6013
Washington, DC 20230
E-mail: opca@esdim.noaa.gov
WWW: http://www.noaa.gov

Office of Ocean and Coastal Resource Management (OCRM)-NOAA

The National Marine Sanctuary Program and National Estuarine Research Reserve System are two programs within OCRM, which fulfill the office's mission of achieving sustainable use of our Nation's coastal and ocean resources as well as maintenance of marine and coastal biodiversity in special areas through long-term comprehensive management and protection. Both programs offer education programs that interpret ongoing site-specific research as well as promote public awareness, understanding, appreciation, and wise use of coastal and marine environments. Site programs are as varied as the coastal resources and range from hands-on studies of the coastal ecology and geology for high school students to community workshops for specific resource users.

Joyce Atkinson, National Education
Coordinator
NOAA/OCRM
1305 East-West Highway
SSMC4, 12th Floor
Silver Spring, MD 20910
(301) 713-3145 ext. 146
Fax: (301) 713-0404
E-mail: jatkinson@ocean.nos.noaa.gov

National Programs for K–12 Education

National Sea Grant College Program

Established in 1966 and administered by NOAA, this program combines the resources of the Federal government with those at universities and States to develop and analyze the Nation's marine resources through research, education, and outreach. Grant proposals are reviewed and grants are normally awarded on an institutional basis through the Sea Grant college or institution designated in each coastal State. The Sea Grant colleges provide research opportunities for scientists and education for the general public about marine resources. Educational activities include graduate education and research apprenticeships, undergraduate education, K–12 teacher science skills, and public outreach.

National Sea Grant College Program
National Oceanic & Atmospheric
Administration
1315 East-West Highway
Silver Spring, MD 20910
(301) 713-2431 / Fax: (301) 713-0799

National Sea Grant College Program

Global Change Education Program consists of "Training the Trainer" workshops for informal educators, NOAA employees, and local extension leaders. Workshop topics include natural variability, greenhouse/sea level rise, ozone depletion, resource consumption, and decision making under "scientific uncertainty."

The Operation Pathfinder Program consists of two-week summer courses that present an introduction to oceanographic and coastal processes. Courses are available in six regions and are designed to enhance skills in science teaching.

Dr. Shirley Fiske, Outreach Program Director
R/OR1, 1335 East-West Highway
Silver Spring, MD 20910
(301) 713-2431 ext. 148
Fax: (301) 713-0799
E-mail: Shirley.Fiske@noaa.gov

NOAA National Environmental Satellite, Data, and Information Service (NESDIS)

The primary educational goal of NESDIS is to enable teachers to access and interpret satellite imagery for use in teaching the Earth sciences. Data can be accessed either by direct readout from orbiting satellites or via the Internet service called the Satellite Active Archive (SAA). Imagery can be browsed, and then downloaded in limited quantities. A new initiative of the SAA is the creation of learning modules on satellites, remote sensing, and applications of satellite data, including imagery interpretation. NESDIS also provides information on ordering archived satellite data. Scientists in NESDIS help teachers learn how to interpret satellite imagery for applications in the atmospheric, marine, and terrestrial sciences. They give presentations at teacher conferences, conduct courses for groups of teachers near NESDIS facilities, and even give individual advice when possible.

Nina Jackson, NESDIS Diversity and
Education Outreach Coordinator
NOAA/NESDIS
Room 2057, FB4
Suitland, MD 20746
(301) 457-5112 / Fax: (301) 457-5276

NOAA National Weather Service (NWS)

The primary mission of the NWS is the protection of life and property and the enhancement of the National economy. To fulfill this mission, the NWS issues forecasts and warnings to minimize the impact of severe weather on the public and on commercial enterprises. The NWS produces a number of informative materials designed to prepare the public for severe weather conditions. Publications prepared in cooperation with the American Red Cross highlight the science and safety aspects of severe weather such as hurricanes, tornadoes, thunderstorms, flash floods, and winter storms. In partnership with the American Meteorology Society, the NWS has developed a program to educate teachers in the sciences of meteorology and hydrology. This program, Project Atmosphere, provides two-week summer workshops for teachers at several NWS training and research locations. At each field office, the NWS has designated a Warning Coordination Meteorologist and a Science Operations Officer to interact with local community members, including the general public, emergency managers, educators, and the media.

Joan VonAhn
NOAA National Weather Service
Customer Service Core
1325 East-West Highway
Silver Spring, MD 20910
(301) 713-0090

U.S. Department of Defense (DoD)

Nearly 2,000 years ago, the Greek philosopher Epictetus said, "Only the educated are free." His wisdom applies to nations as well as to individuals. At the Department of Defense, we base our strong commitment to quality education on the realities of life. Without well-educated Americans we cannot have a well-educated military force and without such a force we cannot hope to successfully defend our Nation against those who seek to diminish us, and our freedom. Mathematics and science skills are, therefore, vital building blocks of our democracy, and work to the benefit of all Americans.

William S. Cohen, Secretary
U.S. Department of Defense

Mission

The mission of the U.S. Department of Defense (DoD) is to provide for National security.

Background

The Department of Defense makes a major investment in education and training. The Department has a vital interest in the ability of our Nation to produce highly trained scientists and engineers. During the past 50 years, the Military Services and Defense Agencies have developed wide-ranging programs that support science and engineering education. The programs evolved independently as each DoD component sought to increase the numbers and to improve the quality of scientists and engineers available to meet their needs.

In traditional educational settings, the Department of Defense provides education for grades K–12 for more than 120,000 dependents in overseas locations through the Department of Defense Dependents Schools System and in U.S. locations where the local civilian schools cannot meet the needs of the dependent population. The DoD service academies, with a total enrollment of 11,800, graduated approximately 2,900 officers in 1995. Additionally, more than 881,000 current and former enlisted members of the armed services have applied for Montgomery GI Bill benefits since the Bill's enactment in 1985. These benefits provide subsidies to assist in completing college educations.

Role in Mathematics and Science Education

Maintaining technological leadership is critical to both National defense strategy and economic well-being. The United States has consistently sought to develop and deploy superior weapon systems to project an imposing military presence that deters foreign aggression. Furthermore, in today's global marketplace, countries will be able to enjoy continued economic prosperity only if they are able to effectively exploit and adapt to emerging technologies.

To carry out these strategies, the United States must have a supply of scientists and engineers that meets the National need. For DoD, demand for scientists and engineers includes those for civilian employees of the Department, military personnel, and defense contractor employees. DoD sponsors a wide range of educational programs to improve the quality of the pool of personnel from which scientists and engineers can be drawn and in this way to help ensure that science and engineering requirements are satisfied.

The Department directly employs more than 100,000 scientists and engineers, approximately 3 percent of the National pool. Of this number, approximately 25,000 are engaged in research and development in the Department's laboratories and centers.

More than 200 separate programs use a wide variety of approaches and methods to enhance science and engineering education at different educational levels. At the upper level, college and university professors guide advanced research and development efforts for specific DoD projects. Lower level programs include sponsorship of elementary and secondary school science fairs, provision of tutoring and mentorship for students, and demonstrations and laboratory tours that stimulate interest in science and engineering. Many programs award scholarships, assistantships, and fellowships.

Elementary and Secondary Education

Precollege programs range from short exposure tours, seminars, and science fairs to intensive tutoring and summer experience programs. The most effective programs are those, such as the High School Apprenticeship Programs, that encourage an interest in and cultivate enthusiasm for science and engineering careers and provide the necessary guidance.

Higher Education

DoD support in the areas of science and engineering education includes undergraduate Reserve Officer Training Corps scholarships, graduate fellowships, National defense-related research conducted by graduate students, and programs designed to enhance recruitment and retention of civilian employees in science and engineering career fields.

Effective recruiting programs include career intern programs, which recruit students from college campuses for an accelerated promotion track and advanced education opportunities. The Co-op Program provides students with early exposure to the work environment and helps foster understanding of Federal job opportunities among students and college personnel. Postdoctoral research associateships provide a continuing supply of well-qualified graduate scientists and engineers for conducting research in DoD laboratories or in universities through grants and contracts.

DoD's Research Office provides opportunities for graduate students to work with university faculty members and explore topics of interest to the Department. Fellowship opportunities are also provided through DoD laboratories, which may, upon degree completion, provide the recipient with employment opportunities.

How Mathematics and Science Education Programs Are Administered

In 1991 the Department of Defense Authorization Act directed the Secretary of Defense to designate an individual within its Office to act as an adviser on science, mathematics, and engineering education. As such, the Director of Defense Research and Engineering (DDR&E) has been identified as the individual responsible for implementing scientific, mathematics, and engineering educational improvement programs within DoD.

The structure for managing science and engineering educational activities within DoD consists of three elements. The DDR&E provides leadership. A Science and Engineering Education Panel (SEEP) serves as a review and advisory body to provide continuous oversight of and coordination among the military departments and defense agencies. Lab directors, program directors, and other managers within DoD components execute science and engineering education activities within their organizations.

DoD components exercise a great deal of discretion in conducting science and engineering programs. The DDR&E does not focus on execution, but instead delegates authority for operation of the programs to the organizational level. The DDR&E serves as an interface with other Federal departments and agencies and, through SEEP, provides guidance and controls.

Administrative Offices for Mathematics and Science Education

Office of the Deputy Director, Defense Research and Engineering

The Office of the Deputy Director, Defense Research and Engineering oversees research at DoD facilities and advises on DoD educational programs.

Keith Thompson
OSD/ODDR&E
Pentagon, Room 3E1045
Washington, DC 20301
(703) 325-1653

National Programs for K–12 Education

High School Science and Mathematics Summer Faculty (HSSMF) Program

The HSSMF Program is part of the Scientific Service Program (SSP) contract awarded to and administered by Battelle. The program is sponsored by the Department of the Army through the U.S. Army Research Office (ARO) and by participating Army laboratories and centers. Its primary objective is to enable participating high school faculty to use their personal exposure to research and development activities at Army laboratories/centers to enhance their research and teaching skills and to encourage high school students to undertake careers in science and mathematics.

Applicants must be U.S. citizens and faculty members of accredited high schools or accredited secondary schools from the seventh through the twelfth grades. They must teach one or more of the following disciplines: mathematics, physics, general science, engineering, chemistry, psychology, computer science, and biology. Awards are made to the most deserving applicants. Selected candidates receive a stipend of $600 per week for a maximum of 10 weeks during the summer. Candidates must live within commuting distance of the assigned laboratory or center.

Gary Hill
Battelle, Research Triangle Park Office
200 Park Drive, PO Box 12297
Research Triangle Park, NC 27709-2297
(919) 549-8291 / DSN: 832-4264
Fax: (919) 549-8205

Junior Science and Humanities Symposium (JSHS) Program

JSHS Program objectives are to:

- Promote research and experimentation in the sciences, mathematics, and engineering at the high school level.
- Recognize the significance of research in human affairs and the importance of humane and ethical principles in the application of research results.
- Search out talented youth and their teachers, recognize their accomplishments at symposia, and encourage their continued interest and participation in the sciences, mathematics, and engineering.
- Expand the horizons of research-oriented students by exposing them to opportunities in the academic, industrial, and governmental communities.
- Increase the number of future adults capable of conducting research and development.

A typical symposium is held in an academic setting where attendees benefit from an active exchange of ideas with professionals and with their peers. They hear lectures from distinguished scientists and observe ongoing research projects in university, Army, or corporate laboratory settings. Selected students also have the opportunity to present the results of their original research before the audience. More than 8,000 students and teachers participate annually in 47 regional symposia held throughout the United States, Europe, Japan, and Puerto Rico.

Peggy Lacewell
U.S. Army Research Office
4300 South Miami Boulevard
PO Box 12211
Research Triangle Park, NC 27709-2211
(919) 549-4339 / DSN: 832-4339

National Science Center (NSC)

The NSC and its multifaceted programs are supported by the United States Army. Programs are designed to increase interest in science, mathematics, and technology among students; to improve skills of teachers; and to provide mathematics and science education support in the classroom. The Center provides hands-on workshops for teachers in science, mathematics, electronics, and computers; it also offers camps nationwide in the same subjects for students. Portable planetariums for instruction in space science, astronomy, geography, and biology are available on loan to teachers who have been certified through the Center's comprehensive training program. In addition, SNC operates a discovery center that offers interactive experiences with scientific exhibits to school groups and the general public. Mobile versions of the discovery center travel nationwide. NSC also reaches out Nationally with satellite teleconference programs on science education and with a Science-by-Mail program that encourages pen pal relationships between students and scientists.

National Science Center
Attention: ATZH-NSC-D
Building 25722
Fort Gordon, GA 30905-5689
(706) 791-7621

Naval Science Awards Program

The Navy and Marine Corps participate each year in district, regional, and State science and engineering fairs that exhibit various projects submitted by students in grades 9–12. At each participating fair, four students whose projects are considered to demonstrate excellence in any field of endeavor, not necessarily military or nautical, are designated as first-place Navy/Marine Corps Distinguished Achievement Award Winners. The students receive a certificate, a programmable scientific calculator, and an invitation to submit a written report of their winning project to the National Naval Science Award Program Competition held in May. Approximately 25 winners of this competition are awarded scholarships and science-oriented trips. The Navy and Marine Corps also participate in the annual International Science and Engineering Fair (ISEF), sponsored by Science Service, Inc., and award scholarships in each of the scientific disciplines. Award recipients must be citizens of the United States or its territories at the time of their selection.

Project Officer
Naval Science Awards Program
Office of Naval Research
Code 353
800 North Quincy Street
Arlington, VA 22217-5660
(703) 696-5787 / Fax: (800) 422-6727

Navy Community Service Program (NCSP)

The NCSP is a worldwide program that encourages Navy military and civilian employees to volunteer their time and talent to help educate and encourage youth to develop social responsibility, fitness, and natural resource stewardship. The Navy currently participates in several hundred volunteer partnerships with schools. These arrangements provide tutoring, mentoring, and other community-based projects. Projects are geared toward, but not limited to, strengthening student skills in mathematics, science, engineering, and environmental conservation. See the State Highlights section of this publication for regional NCSP offices.

Navy Community Service Program
Bureau of Naval Military Personnel
Pers-605
2 Navy Annex, Room 1809
Washington, DC 20370-6050
(703) 614-1290

Research and Engineering Apprenticeship Program (REAP)

REAP was initiated in 1980 to encourage socially and economically disadvantaged youth to pursue studies in science and engineering. The REAP experience provides a cooperative education (work/study) program that affords hands-on experience in Army research and development activities to high school students who may choose to enter and complete basic education in science and engineering. High school students are accepted for apprenticeships at universities under mentorship of a university faculty member. The students are paid during work periods ranging from four to 13 weeks and work directly under a mentor scientist or engineer who provides guidance on day-to-day job activities and information on career opportunities in science and engineering.

Peggy Lacewell
U.S. Army Research Office
4300 South Miami Boulevard
PO Box 12211
Research Triangle Park, NC 27709-2211
(919) 549-4339 / DSN: 832-4339

Science and Engineering Apprentice Program (SEAP)

This program, coordinated and administered by The George Washington University (GWU), places academically talented high school students with interest and ability in science and mathematics as apprentices in more than 40 DoD research activities for eight weeks during the summer. These students work with scientists and engineers who act as mentors. Participating laboratories are encouraged to give special consideration to females and to members of underrepresented minority groups. Specific minority programs are held on the GWU campus in the summer. See the State Highlights section of this publication for participating activities.

Marylin Krupsaw
GWU/SEAS
Science and Engineering Apprentice Program
707 22nd Street NW
Washington, DC 20052
(202) 994-2234

Undergraduate Training Program

Developed particularly for minority high school students, this program provides full tuition to any university or college for outstanding students who plan to major in electrical or computer engineering, computer science, mathematics, or selected languages. Recipients are guaranteed summer employment during school and permanent employment within the National Security Agency upon graduation. Program participants are required to work for the National Security Agency after graduation for at least one and a half times their length of study.

National Security Agency
Undergraduate Training Program
Attention: M3222
Fort Meade, MD 20755-6000
(410) 859-4590 / Fax: (800) 962-9398

U.S. Department of Education (ED)

The Department of Education is fully committed to National Education Goal Five, that by the Year 2000, American students will be first in the world in mathematics and science achievement.
Richard W. Riley, Secretary
U.S. Department of Education

Mission

The mission of the U.S. Department of Education (ED) is to ensure equal access to education and to promote educational excellence throughout the Nation. The Department has four major responsibilities:

- To collect data and oversee research on America's schools and to disseminate this information to educators and the public.
- To identify and focus National attention on major issues and problems in education.
- To enforce Federal statutes prohibiting discrimination in programs and activities receiving Federal funds and to ensure equal access to education for everyone.
- To establish policies relating to Federal financial aid for education, to administer distribution of those funds, and to monitor their use.

Background

Originally created as a non-Cabinet-level Department in 1867, it soon became the Office of Education, where for more than a century it served primarily to collect information and statistics about the Nation's schools. In the late 1950s the Office's mission was expanded when concerns about the quality of education led to the creation of various programs to improve it. These programs were increased in the 1970s to support National efforts to help students gain equal access to quality education. In October 1979, Congress passed Public Law 96-88, creating the current U.S. Department of Education.

Role in Mathematics and Science Education

The Department of Education provides resources to increase opportunities for students to learn mathematics and science. ED also supports research and assistance programs to improve mathematics and science education, collects data on student learning, and conducts studies on the condition of science and mathematics education.

ED's role is broadly based and connected to every level of formal education. The Department's programs reach nearly every school system and postsecondary institution. These programs support mathematics, science, and technical education for the disadvantaged and handicapped and students for whom English is not the primary language. The Department also supports the integration of science and mathematics learning with vocational and technical education. However, since most of ED's funds are allocated by formula, the actual amount expended on mathematics and science education is often determined by the grant recipient.

With the passage in 1994 of the Educate America Act: Goals 2000, which calls for States and school districts to develop systemic plans for educational reform, ED expects that mathematics and science activities will be increasingly integral to the new reforms. Also, passage of the Improving America's Schools Act of 1994 expanded the scope of the ED-funded Eisenhower Program to all of the core academic subjects, which serves to integrate mathematics and science activities to a greater degree with other subjects.

Elementary and Secondary Education

Approximately 95 percent of direct ED mathematics and science programs serve the precollege level. The Department aims to provide a balanced portfolio of programs that will benefit teachers, students, and schools at all educational levels. The cornerstone of ED's effort is the Eisenhower Mathematics and Science Education State Grant Program, which is the largest single K–12 mathematics and science program supported by any Federal agency.

Higher Education

Most ED postsecondary education funds are allocated through grants or individual student financial aid. While many programs support opportunities to learn mathematics and science, only a few programs, such as the National Science Scholars Program, are directly targeted at these subjects; other postsecondary programs address broader educational purposes.

How Mathematics and Science Education Programs Are Administered

ED does not have a single major operating unit specifically charged with overseeing mathematics and science education. Rather, it is organized by educational level (elementary and secondary education and postsecondary education) and particular educational concern (e.g., educational research and improvement, and vocational, bilingual, and special education). Mathematics and science education activities are carried out within these larger units.

Administrative Offices for Mathematics and Science Education

Office of Educational Research and Improvement (OERI)

OERI supports and conducts research on education, collects and analyzes education statistics, disseminates information, and supports and improves library education and services. The Eisenhower National Program specifically supports mathematics and science. In general, however, mathematics and science are part of the broader OERI educational mission.

Office of Educational Research and
Improvement
Office of Reform Assistance and
Dissemination
U.S. Department of Education
555 New Jersey Avenue NW
Washington, DC 20808-5645
(202) 219-2116 / Fax: (202) 219 2053

Office of Elementary and Secondary Education (OESE)

OESE supports elementary and secondary education through such programs as the Eisenhower Professional Development Program, which supports sustained and intensive high-quality professional development in the core academic subjects, including mathematics and science. Other programs within OESE, such as

Title I, Compensatory Education, have a broader educational mission and also support professional development.

Christine Jackson / Audrey M. Smith,
Education Program Specialists
Office of Elementary and Secondary
Education
U.S. Department of Education
Portals Building
600 Independence Avenue SW
Washington, DC 20202-6140
(202) 260-2465 / Fax: (202) 205-0302
E-mail: Christine_Jackson@ed.gov or
Audrey_Smith@ed.gov

Office of Postsecondary Education

The Office of Postsecondary Education supports postsecondary education through Federal student aid and programs in higher education, including international education, Historically Black Colleges and Universities, and accreditation. Although most of the programs do not specifically target mathematics and science education, they may be used to support those content areas.

Office of Postsecondary Education
U.S. Department of Education
Regional Office Building
7th and D Streets SW
Washington, DC 20202-5100
(202) 708-5547

National Programs for K–12 Education

Blue Ribbon Schools Program

This program identifies and gives National recognition to public and private schools that are unusually effective in meeting National, State, and local goals and in educating their students. The program honors schools that show outstanding effectiveness in leadership, organizational vitality, teaching environment, curriculum and instruction, student environment, and parent and community support. To be recognized as a National school of excellence, the school must have unusually strong programs in all areas of school life. Elementary schools and secondary schools are recognized in alternate years. In addition, recognized schools may receive optional honors in specific areas.

Elizabeth Demarest
Office of Educational Research and
Improvement
U.S. Department of Education
555 New Jersey Avenue NW
Washington, DC 20808-5643
(202) 219-2217

Center for Research on the Education of Students Placed at Risk

This project develops programs for elementary school math, science, and social studies that are based on the premise that children are active constructors of knowledge. These programs emphasize discovery, experimentation, cooperative learning, and open-ended problem solving. They are being developed and evaluated in high-poverty urban and rural schools.

Roots and Wings Project
Center for Research on the Education of
Students Placed at Risk
The Johns Hopkins University
3505 North Charles Street
Baltimore, MD 21218
(410) 516-8800 / Fax: (410) 516-8890
E-mail: jhollifi@inet.ed.gov

Eisenhower National Clearinghouse for Mathematics and Science Education

The Eisenhower National Clearinghouse is developing a comprehensive collection and catalog of K–12 curriculum materials. Databases containing the catalog of materials in various formats, text, evaluations of selected materials, and other resources for math and science education are available online and on CD-ROM. Selected resources are also available in print.

Len Simutis, Director
Eisenhower National Clearinghouse
The Ohio State University
1929 Kenny Road
Columbus, OH 43210-1079
(800) 621-5785
(614) 292-7784 / Fax: (614) 292-2066
E-mail: info@enc.org
WWW: http://www.enc.org

Eisenhower Professional Development Federal Activities Program

Under legislation passed in 1994, the Eisenhower Program was expanded to cover all core academic subjects. The Eisenhower Professional Development Federal Activities Program currently focuses on projects that seek to transform the education system to achieve high standards of student performance through systemic reform. The Eisenhower National Clearinghouse and the Eisenhower Regional Consortia, which are described in this section, illustrate activities supported by the program. Discretionary grant competitions will be held annually depending on availability of funds.

Eisenhower Professional Development
Federal Activities Program
Office of Educational Research and
Improvement
U.S. Department of Education
555 New Jersey Avenue NW, Room 502
Washington, DC 20208-5572
(202) 219-2169 / Fax: (202) 219-2053

Eisenhower Professional Development Program

This program provides formula grant assistance to State and local education agencies, institutions of higher education, and nonprofit organizations to help ensure that teachers and other staff and administrators have access to high-quality professional development.

Christine Jackson / Audrey M. Smith,
Education Program Specialists
Office of Elementary and Secondary
Education
U.S. Department of Education
Portals Building
600 Independence Avenue SW
Washington, DC 20202-6140
(202) 260-2465 / Fax: (202) 205-0302
E-mail: Christine_Jackson@ed.gov or
Audrey_Smith@ed.gov

Eisenhower Professional Development State Grants Program

The Eisenhower Professional Development Program (Title II of the Elementary and Secondary Education Act of 1965 [ESEA], as amended) was enacted in 1994 as part of the Improving America's Schools Act of 1994. The Title II program is the largest Federal program supporting professional development activities to improve teaching and learning. Part B of Title II authorizes the State formula grant program. Under this program, funds flow through the States to local schools by formula and to institutions of higher education and nonprofit organizations by competitions administered by State agencies for higher education. The grants support and help shape State and local professional development activities in the core academic subjects with a continued focus in mathematics and science. For specific information on your State, contact the Eisenhower Coordinator for the State Educational Agency (K–12) or the State Agency Higher Education listed in the State Highlights section.

Office of Elementary and Secondary
Education
U.S. Department of Education
Portals Building
600 Independence Avenue SW
Washington, DC 20202-6140
(202) 260-2465 / Fax: (202) 205-0302

Eisenhower Regional Consortia

The Eisenhower Professional Development Federal Activities Program funds 10 Regional Mathematics and Science Education Consortia. Working closely with the Clearinghouse, the Consortia provide information and technical assistance to help States and school districts provide improved mathematics and science programs in accordance with National standards. They also train and provide technical assistance to teachers, administrators, and other educators to help them use exemplary instructional materials, teaching methods, curricula, and assessment tools.

Eisenhower Professional Development Federal Activities Program
Office of Educational Research and Improvement
U.S. Department of Education
555 New Jersey Avenue NW, Room 502
Washington, DC 20208-5572
(202) 219-2169 / Fax: (202) 219-2053

ERIC (Educational Resources Information Center)

ERIC is an international information network that acquires, catalogs, and provides access to educational literature. The ERIC system comprises 16 subject-specific clearinghouses; a central processing and reference facility; a document reproduction service; and ACCESS ERIC, a one-stop contact point for new users of the system. To learn more about ERIC, contact ACCESS ERIC at (800) LET-ERIC.

The ERIC Clearinghouse on Mathematics, Science, and Environmental Education, located at The Ohio State University, acquires, selects, and processes high-quality printed materials (such as reports, curricula and instructional materials, evaluations, and information on programs, practices, and policies) in science, mathematics, and environmental education. The Clearinghouse provides a variety of services and products to help educators, administrators, researchers, and others stay current on a broad range of issues. It provides reference and referral services in science and mathematics and maintains partnerships for the exchange of information with numerous other organizations. It also produces publications, bibliographies, ERIC Digests, syntheses, and summaries on mathematics and science topics, and compilations of promising programs and practices.

David Haury, Director
ERIC Clearinghouse for Science, Mathematics, and Environmental Education
The Ohio State University
1929 Kenny Road
Columbus, OH 43210-1080
(614) 292-6717 or (800) 276-0462
E-mail: ericse@osu.edu

Field-Initiated Studies Program

ED, through OERI, funds educational research projects proposed by individuals; institutions of higher education; and public and private institutions, organizations, and agencies. Applicants propose research topics related to OERI's five National institutes:

National Institute on Early Childhood Development and Education
Attention: Joseph Caliguro
(202) 219-1596

National Institute on Education of At-Risk Students
Attention: Beth Fine
(202) 219-1315

National Institute on Governance, Finance, Policy-Making, and Management
Attention: Edward Fuentes
(202) 219-2032

National Institute on Postsecondary Education, Libraries, and Lifelong Learning
Attention: Delores Monroe
(202) 219-2229

National Institute on Student Achievement, Curriculum, and Assessment
Attention: Clara Lawson-Copeland
(202) 219-2028

To contact a specific institute, include the appropriate "attention" information provided above. One application package contains information regarding all five institutes. To request an application, write to:

Field-Initiated Studies Program
Office of Educational Research and Improvement
U.S. Department of Education
555 New Jersey Avenue NW, Room 620
Washington, DC 20208-5531
E-mail: fis@inet.ed.gov

Fund for the Improvement of Education

This fund supports Nationally significant programs to improve the quality of education, assist all students to meet challenging State content standards, and contribute to the achievement of the National Education Goals.

Lois N. Weinberg
Office of Educational Research and Improvement
U.S. Department of Education
555 New Jersey Avenue NW, Room 502h
Washington, DC 20208-5645
(202) 219-2147 / Fax: (202) 219-2053
E-mail: lweinberg@inet.ed.gov

Javits Gifted and Talented Students Education Program

This program funds projects that help schools identify and respond to the special education needs of gifted and talented students, especially those who are disadvantaged, handicapped, or have limited English proficiency.

Office of Educational Research and Improvement
U.S. Department of Education
555 New Jersey Avenue NW
Washington, DC 20208-5645
(202) 219-2116 / Fax: (202) 219-2053
E-mail: patricia_ross@ed.gov or elizabeth_barnes@ed.gov

National Assessment of Educational Progress (NAEP)

NAEP has measured the educational achievement of American students for more than two decades. Its 1996 mathematics and science assessments of fourth, eighth, and twelfth graders featured several testing innovations. In mathematics and science, students devoted more than half their time to "constructed response" questions that may have included extended problem solving. The science assessment contained a hands-on task for all students, a study of portfolios for fourth and eighth graders, and an assessment of the best twelfth graders. The math assessment measured students' estimating skills, allowing them to use calculators more often than in the past. Results from the 1992 NAEP math assessment are available from the National Center for Educational Statistics at OERI.

Gary W. Phillips
Office of Educational Research and Improvement
U.S. Department of Education
555 New Jersey Avenue NW
Washington, DC 20208
(202) 219-1761

National Education Longitudinal Study of 1988 (NELS:88)

Through NELS:88, the National Center for Educational Statistics is following a sample of 25,000 eighth graders on a two-year cycle. Individual cohort members (including dropouts in the follow-ups) were surveyed in 1988, 1990, and 1992, along with their parents, principals, and teachers. These same members were resurveyed in 1994. To allow researchers to examine cognitive growth over time, test data in mathematics, science, reading, and social studies also were collected from members. Other data collected by NELS:88 include enrollment patterns in mathematics and science courses, student attitudes toward those subjects, instructional practices used by their teachers, and high school transcripts.

Peggy Quinn
Office of Educational Research and Improvement
U.S. Department of Education
555 New Jersey Avenue NW
Washington, DC 20208
(202) 219-1743

National Research and Development Center on Achievement in School Mathematics and Science

This center is one of seven National education, research, and development centers supported by ED. The research projects at the core of the Center's activities are organized around five thematic elements: modeling, argument and standards of evidence, big ideas and technologies, equity, and assessment. Studies are carried out as part of design collaboratives, in which researchers work with teachers and schools at the elementary, middle, and high school levels. The goal is to design and implement "test beds" to support the development and validation of practices leading to higher levels of achievement for all students.

Thomas A. Romberg
School Mathematics and Science
Achievement Center
Wisconsin Center for Education Research
University of Wisconsin-Madison
1025 West Johnson Street
Madison, WI 53706
(608) 263-3406 / Fax: (608) 263-3406

National Science Standards

The National Research Council of the National Academy of Sciences, with a grant from the Eisenhower National Program, developed science content standards that specify what students are expected to learn in grades K–12. Teachers and other science educators, scientists, and the general public were extensively involved by reviewing and refining the standards. More than 80 organizations served as liaisons to the project. Draft content standards were distributed in late 1994. Separate working groups, funded by a coalition of other Federal agencies, are developing teaching and assessment standards in close cooperation with those who developed the content standards. A complete set of the final standards—content, teaching, and assessment—was disseminated in late 1995. (The National Council of Teachers of Mathematics has already developed mathematics standards that are in use across the country.)

Dr. Angelo Collins, Director
National Science Education Standards
Project
National Research Council
2101 Constitution Avenue NW, HA 486
Washington, DC 20418
(202) 334-3417

Regional Educational Laboratories

Through the Office of Educational Research and Improvement, ED funds a network of 10 regional educational laboratories, each serving a specific region of the United States, including its territories. The laboratories identify effective teaching techniques and school improvement efforts within their regions, provide technical assistance, and share information with State and local educators through newsletters, research syntheses, conferences, and the electronic media. As part of their overall program, which is not subject-matter specific, the laboratories have undertaken an initiative to improve mathematics and science education. They are collecting, analyzing, and synthesizing information about curriculum frameworks, performance-assessment methods, and successful mathematics and science programs and practices.

Robert Stonehill
Office of Educational Research and
Improvement
U.S. Department of Education
555 New Jersey Avenue NW
Washington, DC 20208-5644
(202) 219-2187 / Fax: (202) 219-2106

Regional Technology in Education Consortia (R*TEC)

ED, through OERI, established the Regional Technology in Education Consortia (R*TEC) program in the fall of 1995 to help States, districts, schools, adult literacy centers, and other educational institutions use advanced technology to support improved teaching and student achievement. The R*TECs' role in educational technology is unique in two ways: their emphasis is regional, and their primary goal is to ensure that technology is used effectively to support school reform. Program strategies include professional development, technical assistance, and information dissemination. The R*TECs work in a complementary and collaborative way with technical assistance providers funded by ED—such as Comprehensive Regional Assistance Centers, the Eisenhower Regional Consortia for Mathematics and Science Education, and the Regional Educational Laboratories—and with other nationwide educational technology support efforts, such as TechCorps.

Catherine Mozer Connor, Project Officer
Office of Educational Research and
Improvement
U.S. Department of Education
ORAD/SLSD, Room 506a
555 New Jersey Avenue NW
Washington, DC 20208-5644
(202) 219-8070
E-mail: cconnor@inet.ed.gov

Star Schools Program

This program funds partnerships that use telecommunications and other technologies to improve educational opportunities for students in mathematics, science, foreign languages, literacy skills, vocational education, and other subjects. Services, including programming and equipment, have been provided to schools and communities in both rural and urban areas. A variety of technologies are supported including satellite, fiber optics, compressed video, computer networks, and cable.

Joseph Wilkes
Office of Educational Research and
Improvement
U.S. Department of Education
555 New Jersey Avenue NW
Washington, DC 20208-5645
(202) 219-2186
E-mail: jwilkes@inet.ed.gov

Teacher Networking Project

Curricula, classroom teaching, and teacher professional development will be enhanced through online use of electronic teacher networks and shared knowledge in programs supported by more than $1.8 million in grants from ED. The networks link teachers with specialists who can help them improve their skills and knowledge of subject matter. Fifteen grants have been given to projects in 13 States, including an American Indian Nation, a State university research foundation, two regional educational laboratories, a private agency, and both rural and urban schools and school districts. Projects include teacher mentoring activities and development of curriculum materials for electronic networking.

Tawanna Coles
Office of Educational Research and
Improvement
U.S. Department of Education
555 New Jersey Avenue NW, Room 502i
Washington, DC 20208-5645
(202) 219-2116 / Fax: (202) 219-2053
E-mail: tcoles@inet.ed.gov

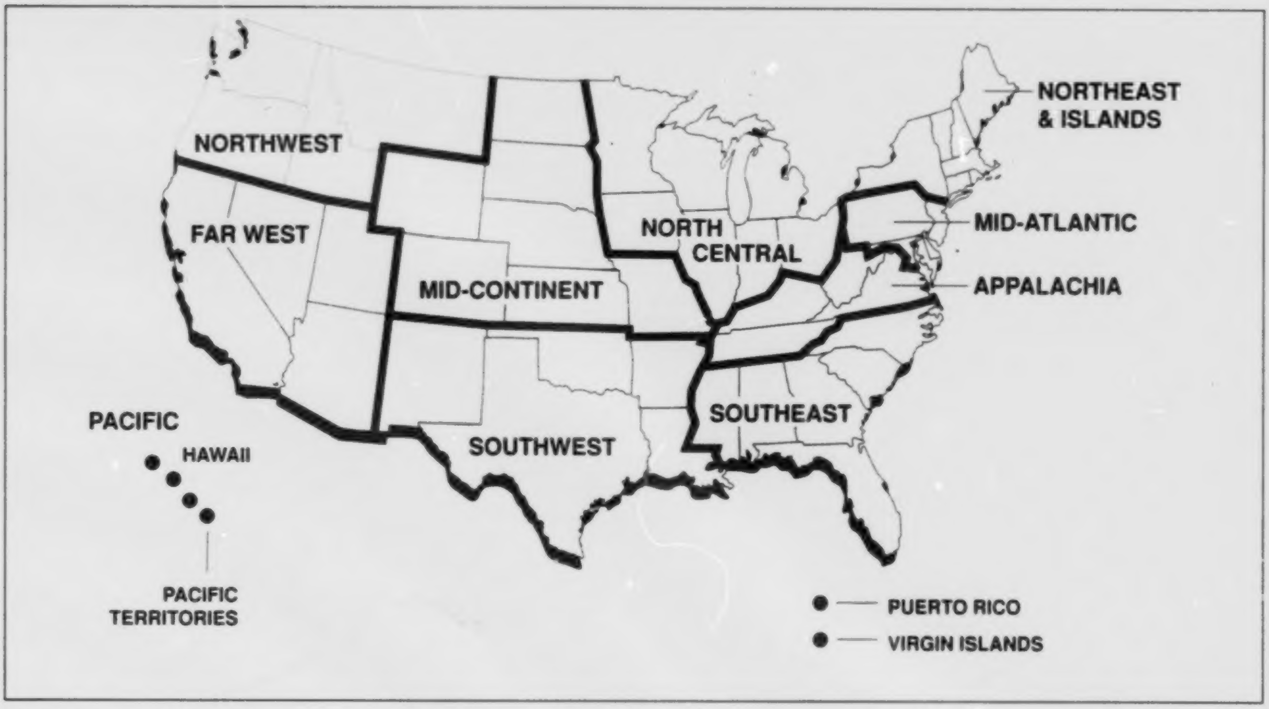
Third International Mathematics and Science Study

The National Center for Educational Statistics is conducting the U.S. portion of the Third International Mathematics and Science Study being coordinated by the International Association for the Evaluation of Education Achievement. The study will measure student achievement in mathematics and science in more than 40 countries. In 1995, each country assessed fourth, eighth, and twelfth grade students and twelfth grade specialists in mathematics and science. The study focuses on student proficiency and also includes performance assessments, a videotape study of instructional practices, and case studies of key policy issues in education. Teacher, school, home, and societal factors will provide a context in which to gauge student achievement and differences among countries.

Lois Peak
Office of Educational Research and
Improvement
U.S. Department of Education
555 New Jersey Avenue NW
Washington, DC 20208
(202) 219-1804

U.S. Department of Education (ED)

Eisenhower National Clearinghouse and Regional Consortia



The Eisenhower National Program supports a National Clearinghouse and 10 Regional Consortia that together form a coordinated, field-based network to promote systemic reform of mathematics and science education. Working closely with the Regional Consortia, the Eisenhower National Clearinghouse collects, catalogs, and disseminates information, curriculum materials, and other resources for K–12 mathematics and science education. At the State and local levels, the Regional Consortia provide information and technical assistance to educators and policymakers. The regional service boundaries of the consortia are identical to those of the regional educational laboratories.

Regional Consortia

Appalachia Region
Eisenhower Regional Math/Science Consortium at AEL
Arlington, Virginia

Far West Region
WestEd Eisenhower Regional Consortium for Science and Mathematics Education
San Francisco, California

Mid-Atlantic Region
Mid-Atlantic Eisenhower Consortium for Mathematics and Science Education
Philadelphia, Pennsylvania

Mid-Continent Region
Eisenhower High Plains Consortium for Mathematics and Science
Aurora, Colorado

North Central Region
Midwest Consortium for Mathematics and Science Education
Oak Brook, Illinois

Northeast and Islands Region
Eisenhower Regional Alliance for Mathematics and Science Education Reform
Montpelier, Vermont, and Cambridge, Massachusetts

Northwest Region
Science and Mathematics Consortium for Northwest Schools
Portland, Oregon

Pacific Region
Pacific Mathematics and Science Regional Consortium
Honolulu, Hawaii

Southeast Region
Eisenhower Consortium for Mathematics and Science Education at SERVE
Tallahassee, Florida

Southwest Region
Eisenhower Southwest Consortium for the Improvement of Mathematics and Science Teaching
Austin, Texas

National Clearinghouse

Eisenhower National Clearinghouse for Mathematics and Science Education
Columbus, Ohio

National Program Office

Eisenhower Professional Development Federal Activities Program
Office of Educational Research and Improvement
Washington, DC

Note: Information verified February, 1997.

U.S. Department of Energy (DOE)

Mission

The Department of Energy (DOE), in partnership with our customers, contributes to the welfare of the Nation by providing the technical information and the scientific and educational foundation for the technology, policy, and institutional leadership necessary to achieve efficiency in energy use, diversity in energy sources, a more productive and competitive economy, improved environmental quality, and a secure National defense.

Background

DOE was created in 1977 by the Department of Energy Organization Act, which consolidated into one Cabinet-level department the responsibilities previously carried out under the Atomic Energy Commission, the Energy Research and Development Administration, several other small, independent energy-related agencies and offices in other Federal departments. DOE and its contractors employ approximately 146,000 men and women, more than one-third of whom fill positions in DOE's scientific, engineering, and technical workforce. In addition to DOE's Headquarters components, the Department has an extensive field structure of National laboratories, research facilities, regional operations and support offices, and regional power administrations that are dispersed across urban and rural areas of the United States.

Role in Mathematics and Science Education

In recognition of its need for well-educated, highly skilled scientific and technical personnel to carry out its basic research and development and operational missions, DOE has made education an essential part of its mission. DOE provides opportunities for students and faculty to use its laboratories and facilities for hands-on research experiences. DOE supports the National effort to improve science education for all students through local and regional educational partnerships. DOE promotes increased participation of traditionally underrepresented populations in mathematics, science, engineering, and technology in the Department's education programs and partnerships.

Elementary and Secondary

DOE utilizes the unique scientific and technical resources of its laboratories through local and regional education partnerships with urban and rural school districts, businesses, and industry. These partnerships introduce new approaches to teaching science and mathematics and contribute to systemic improvement in science, mathematics, engineering, and technology education.

Higher Education

As part of a continuum of efforts to keep students in the science pipeline, DOE supports undergraduate, graduate, postgraduate, and faculty-level science education programs, including those that encourage students from underrepresented groups to pursue scientific and technical studies and participate in cutting-edge research. These activities include research participation appointments, fellowships, faculty institutes and workshops, conferences, and visiting staff lectures.

How Mathematics and Science Education Programs Are Administered

DOE educational programs are administered by the Office of Science Education and Technical Information through its 10 National laboratories, more than 30 specialized research facilities, and area, field, regional, and operation offices. Each facility conducts its own education programs and makes its resources available to precollege and university faculty and students. Each center plans and administers a range of precollege and university science education programs that vary according to laboratory specialization and local needs. The programs place special emphasis on providing students and their teachers with hands-on experiences in cutting-edge science and technology.

Administrative Offices for Mathematics and Science Education

AlliedSignal Aerospace Company

AlliedSignal Aerospace operates the Kansas City Plant to produce nonnuclear components. Production activities are directed toward electrical and electronic products, mechanical products, and plastic products.

Richard Bennett
AlliedSignal Aerospace Company
Federal Manufacturing and Technologies
PO Box 419159, 2000 East 95th Street
Kansas City, MO 64141-6159
(816) 997-5937 / Fax: (816) 997-7259

Ames Laboratory

Ames Laboratory conducts fundamental research in the physical, chemical, materials, mathematical, engineering, and environmental sciences that underlie energy-generation, conversion, and transmission technologies.

Connie Hargrave, Ph.D., Manager
Ames Laboratory Education Programs
252 TASF
Ames Laboratory
Iowa State University
Ames, IA 50011
(515) 294-5343 / Fax: (515) 294-6206
E-mail: cph@iastate.edu

Argonne National Laboratory

This large multiprogram laboratory is operated by the University of Chicago for the U.S. Department of Energy. The laboratory's mission is basic research and technology development to meet National goals in energy technology, environmental quality, industrial competitiveness, scientific leadership, and educational infrastructure. The Argonne Laboratory strives continually to improve its leading-edge capabilities in science and engineering with an emphasis on its recognized core competencies.

Robert Springer, Ph.D., Interim Director
Division of Educational Programs
Argonne National Laboratory
9700 South Cass Avenue, Building 223
Argonne, IL 60439
(630) 252-4114 / Fax: (630) 252-3193
E-mail: springer@dep.anl.gov

Associated Western Universities, Inc.

This consortium of 64 colleges and universities administers a variety of National and regional science education programs, including those at the precollege level.

Thomas Squires, President
Associated Western Universities, Inc.
4190 South Highland Drive, Suite 211
Salt Lake City, UT 84124
(801) 273-8900 / Fax: (801) 277-5632
E-mail: info@sl.awu.org

Bates Linear Accelerator Center

Operated by the Massachusetts Institute of Technology, this academic nuclear physics research laboratory produces highly skilled scientists and fundamental knowledge in nuclear and particle physics.

Dr. Kenneth D. Jacobs
Bates Linear Accelerator Center
PO Box 846
Middleton, MA 01949
(617) 253-9509 / Fax: (617) 253-9599
E-mail: SAPP@bates.mit.edu

Bechtel Nevada

Bechtel Nevada provides architectural and engineering services to the U.S. Department of Energy at the Nevada Test Site and monitors groundwater to track radionuclide transport.

Dawn Merritt, Communications Manager
Bechtel Nevada
Office of Public and Employee Communications
PO Box 98521, M/S - 0039
Las Vegas, NV 89193-8521
(702) 295-5792 / Fax: (702) 295-1859
E-mail: meritdl@doe.nv.gov

Bonneville Power Administration

This DOE power marketing administration services the Pacific Northwest States (Oregon, Washington, Idaho, and western Montana).

Joan McNamara, Community Education Coordinator
Bonneville Power Administration
PO Box 3621 AR-7-C
Portland, OR 97208-3621
(503) 230-3709 / Fax: (503) 230-5884
E-mail: jhmcnamara@bpa.gov

Brookhaven National Laboratory

This laboratory conducts applied research in the physical, biomedical, and environmental sciences and in selected energy technologies.

Karl Swyler, Head
Educational Programs
Brookhaven National Laboratory
14 Brookhaven Avenue, Building 438
PO Box 5000
Upton, NY 11973-5000
(516) 344-7171 / Fax: (516) 344-5832
E-mail: swyler@bnl.gov

Fermi National Accelerator Laboratory

This laboratory conceives, develops, constructs, and operates complex research facilities for the fundamental research of high-energy physics and the properties of matter.

Marge Bardeen, Education Office
Fermi National Accelerator Laboratory
PO Box 500, MS 226
Batavia, IL 60510
(630) 840-2031 / Fax: (630) 840-8248
E-mail: mbardeen@fnal.gov

Fernald Environmental Management Project

This project focuses on waste management, environmental restoration, and other environmental safety and health compliance issues.

Sue Walpole, Public Affairs
Fernald Environmental Management Project
PO Box 538704
Cincinnati, OH 45253-8704
(513) 648-4026 / Fax: (513) 648-4011
E-mail: susan_walpole@fernald.gov

Idaho National Engineering Laboratory

This is the DOE lead laboratory for systems engineering. Major mission areas include nuclear research and development, environmental management, fuel reprocessing, and waste management. Biotechnology applications, agricultural engineering, and applied engineering are emerging research and development programs at the Lab.

Dr. Constance C. Blackwood, Manager
Academic and Education Relations
Idaho National Energy Laboratory
1520 Sawtelle Drive
Idaho Falls, ID 83405-2437
(208) 526-9221 / Fax: (208) 526-1880
E-mail: cb6@inel.gov

Inhalation Toxicology Research Institute (ITRI)

ITRI conducts basic and applied research to improve understanding of the nature and magnitude of the impact on human health of inhaling airborne materials.

Marcy Wood, Specialist
Inhalation Toxicology Research Institute
PO Box 5890
Albuquerque, NM 87185
(505) 845-1257 / Fax: (505) 845-1198
E-mail: mwood@lucy.tli.org

Lawrence Berkeley National Laboratory

This laboratory supports a wide range of research activities in fields ranging from astrophysics to energy conservation.

Roland Otto, Director
Lawrence Berkeley National Laboratory
Center for Science and Engineering Research
One Cyclotron Road, Building 938C
Berkeley, CA 94720
(510) 486-5325 / Fax: (510) 486-6660
E-mail: rjotto@lbl.gov

Lawrence Livermore National Laboratory

This laboratory serves as a major National resource in applied science and engineering.

Barry Goldman, Acting Education Program Manager
Lawrence Livermore National Laboratory
Livermore, CA 94550
(510) 422-5177 / Fax: (510) 422-6079
E-mail: goldman1@llnl.gov

Los Alamos National Laboratory

This laboratory has the dual mission of developing nuclear weapons and of applying science and technology to major problems of interest to the country.

Dennis Gill, Group Leader
Science Education and Outreach
Los Alamos National Laboratory
PO Box 1663 / STB-EPO MSF-671
Los Alamos, NM 87545
(505) 667-8680 / Fax: (505) 665-6871
E-mail: dgill@lanl.gov

Morgantown Energy Technology Center

This center conducts research on fossil energy, clean coal technology, and environmental protection.

Larry Headley
Morgantown Energy Technology Center
PO Box 880
Morgantown, WV 26507-0880
(304) 285-4314 / Fax: (304) 285-4292
E-mail: lheadl@metc.doe.gov

National Institute for Petroleum and Energy Research (NIPER)

NIPER was established in Bartlesville, Oklahoma in 1918 as a research laboratory to aid the development of the region's oil and gas industry. NIPER's efforts are currently focused on supporting the U.S. Department of Energy's National Oil Program. Research, development, and technology transfer programs at NIPER aid independent operators in applying methods to sustain production of oil and gas from domestic reservoirs and to provide reliable data for processing heavy crude oils.

Judy Kokesh, Technology Transfer Specialist
National Institute for Petroleum and Energy Research
PO Box 2565
Bartlesville, OK 74005
(918) 337-4508 / Fax: (918) 337-4365
E-mail: jkokesh@bpo.gov

National Renewable Energy Laboratory (NREL)

NREL provides teacher workshops, student internships, and summer programs for students and teachers. It also works with several partnership programs, including National Science Foundation's Colorado Statewide Systemic Initiative. NREL conducts student competitions and is the National contact for the Junior Solar Sprint Competition.

Linda Lung, Education Programs Manager
1617 Cole Boulevard, Building 15
Golden, CO 80401-3933
(303) 275-3044 / Fax: (303) 275-3076
E-mail: linda_lung@nrel.gov

Naval Petroleum Reserves

The Naval Petroleum Reserves are responsible for managing, operating, maintaining and producing the Naval Petroleum Reserves in California. The Reserves work to achieve the greatest value and benefits to the United States with consideration of the interests of the joint owners.

Todd G. Goode, Public Affairs
Naval Petroleum Reserves in California
U.S. Department of Energy
PO Box 87
Tupman, CA 93276
(805) 763-6067 / Fax: (805) 763-6699

Oak Ridge Institute for Science and Education

This institute administers a wide range of local, National, and international programs in energy-related education, training, and research.

Wayne Stevenson, Assistant Director
Oak Ridge Institute for Science and Education
Science/Engineering Education Division
PO Box 117
Oak Ridge, TN 37831-0117
(423) 576-3283 / Fax: (423) 241-5219
E-mail: stevensw@orau.gov

Oak Ridge National Laboratory

This laboratory conducts basic and applied research and development to meet energy and environmental challenges, including competencies in energy production and uses, environmental science and technology, advanced materials, neutron-based science, and high-performance computing.

Linda Cain, Director
Oak Ridge National Laboratory
Office of University and Science Education
PO Box 2008, Building 5500A, MS 6366
Oak Ridge, TN 37831-6366
(423) 576-3886 / Fax: (423) 241-6776
E-mail: 9LC@ornl.gov

Oak Ridge Operations Office

This office provides outreach programs to local precollege schools, conducts environmental education activities, and provides information about regional programs.

Greg Mills, Education Coordinator
DOE Oak Ridge Operations Office
ORNL Site Office, ER-111
Oak Ridge National Laboratory
Building 4500 North, MS 6269
PO Box 2008
Oak Ridge, TN 37831
(423) 576-0951 / Fax: (423) 574-9275
E-mail: millsga@ornl.gov

Pacific Northwest National Laboratory

This laboratory offers a broad array of research and development capabilities, with a focus on environmental quality, transfer of scientific knowledge, and engineering innovations.

Jeff Estes, Deputy Manager
University and Science Education Programs
Pacific Northwest National Laboratory
PO Box 999, MS K1-22
Richland, WA 99352
(509) 375-2820 / Fax: (509) 375-2576
E-mail: jc_estes@pnl.gov

Pantex Plant

This plant has five primary missions: to fabricate chemical high explosive components for nuclear weapons; to assemble nuclear weapons for the Nation's stockpile; to maintain and evaluate those weapons; to disassemble weapons being retired from the stockpile; to serve as an interim storage site for plutonium components from retired weapons.

Debra Halliday, Educational Outreach Coordinator
Pantex Plant, External Affairs, Building 16-12
PO Box 30020
Amarillo, TX 79177
(806) 477-5038 / Fax: (806) 477-5743
E-mail: dhallida@pantex.com

Pinellas Plant

This plant ended its Defense Program Mission in 1994 and is aggressively promoting the plant's technology to support the private sector economic development. High technology once used for the weapons stockpile and a highly skilled workforce make the plant a unique and valuable asset to the community.

Brenda Ricchi, Specialist
Pinellas Plant, Public Affairs
PO Box 2908
Largo, FL 33779-2908
(813) 541-8516 / Fax: (813) 541-8778
E-mail: Brend_L._Ricchi@ccmail.orl.mmc.com

Pittsburgh Energy Technology Center

This center conducts research on synthetic liquid fuels, coal combustion, gasification, and related phenomena.

Fred Brown
Pittsburgh Energy Technology Center
Office of Research and Development
PO Box 10940
Pittsburgh, PA 15236
(412) 892-5942 / Fax: (412) 892-6204

Princeton Plasma Physics Laboratory

This laboratory conducts research in magnetic fusion.

Diane Carroll, Head, Science Education Program
Princeton Plasma Physics Laboratory
Princeton University
James Forrestal Campus
PO Box 451, Route 1
Princeton, NJ 08543
(609) 243-2107 / Fax: (609) 243-2112
E-mail: dcarroll@pppl.gov

Rocky Flats Plant

This plant is a key facility in nuclear weapons research, development, and production.

Gene McCarthy, Educational Outreach Coordinator
Rocky Flats Plant, Community Relations, Building 460
PO Box 928
Golden, CO 80402-0928
(303) 966-2200 / Fax: (303) 966-6633
E-mail: gene.mccarthy@rfets.gov

Sandia National Laboratories, California

These laboratories apply engineering and scientific capabilities to nuclear weapons technology, energy research, and other areas of National interest.

Karen P. Scott, Science and Technology Outreach Manager
Sandia National Laboratories/California
7011 East Avenue, MS 9904
PO Box 969
Livermore, CA 94550
(510) 294-3760 / Fax: (510) 294-1526
E-mail: KPScott@Sandia.gov

Sandia National Laboratories, New Mexico

These laboratories apply engineering and scientific capabilities to nuclear weapons technology, energy research, and other areas of National interest.

Bill Dawes, Director
Diversity Leadership and Education Outreach
Sandia National Laboratories/New Mexico
PO Box 5800, MS 1351
Albuquerque, NM 87185-1356
(505) 844-1280 / Fax: (505) 844-1222
E-mail: WRDawes@Sandia.gov

Savannah River Ecology Laboratory (SREL)

SREL acquires and communicates knowledge of ecological processes and principles.

Dr. J Vaun McArthur
Savannah River Ecology Laboratory
Environmental Outreach and Education Division
Program Office, Drawer E
Aiken, SC 29802
(803) 725-9726 / Fax: (803) 725-3309
E-mail: mcarthur@srel.edu

Savannah River Site (SRS)

SRS is a key DOE facility, focusing on National security work, environmental cleanup and waste management, and economic development and technology transfer initiatives. Owned by the DOE and operated under contract by the Westinghouse Savannah River Company, the complex covers 310 square miles.

Lynn T. Bertsch, Education Programs
Community Outreach Division
Westinghouse Savannah River Company
PO Box 616
Aiken, SC 29808
(803) 652-1813 / Fax: (803) 652-1898
E-mail: lynn.bertsch@srs.gov

Stanford Linear Accelerator Center

This center carries out experimental and theoretical research in high-energy physics and develops new techniques for particle acceleration. Synchrotron radiation is used for research in bio-medicine and environmental and materials science.

Helen Quinn, Education Officer
Stanford Linear Accelerator Center
PO Box 4349, Bin-81
Stanford, CA 94309
(415) 926-2713 / Fax: (415) 926-4500
E-mail: quinn@slac.stanford.edu

Strategic Petroleum Reserve

The Strategic Petroleum Reserve stockpiles crude oil and supplements oil supplies in the marketplace.

Durinda Robinson, Special Assistant
Strategic Petroleum Reserve
900 Commerce Road East
New Orleans, LA 70123
(504) 734-4312 / Fax: (504) 734-4672
E-mail: Durinda.Robinson@spr.doe.gov

Thomas Jefferson National Accelerator Facility

Jefferson Lab supports research and education in nuclear physics. Focus is on advancements in accelerator physics, electron beams, detector equipment, data acquisition, and superconducting radiofrequency technology.

Janet H. Tyler, Science Education Manager
Thomas Jefferson National Accelerator Facility
12000 Jefferson Avenue
Newport News, VA 23606
(757) 269-7164 / Fax: (757) 269-5065
E-mail: tyler@jlab.gov

Western Area Power Administration (WAPA)

WAPA markets and distributes Federal power and capacity to a service area covering 15 of the western States.

Kevin Petts
Western Area Power Administration-Phoenix
PO Box 6457
615 South 43rd Avenue
Phoenix, AZ 85005
(602) 352-2770 / Fax: (602) 352-2454

National Programs for K–12 Education

Associated Western Universities Precollege Science Education Programs

The Associated Western Universities, Inc. is a consortium of 64 colleges and universities that administers a variety of National and regional science education programs, including those at the precollege level.

Thomas Squires, President
Associated Western Universities, Inc.
4190 South Highland Drive, Suite 211
Salt Lake City, UT 84124
(801) 273-8900 / Fax: (801) 277-5632
E-mail: info@sl.awu.org

Bates Linear Accelerator Center Outreach Programs

Tours, tutorials, and mini-workshops are available for civic groups and precollege field trips.

Wade Sapp, Principal Research Scientist
Bates Linear Accelerator Center
PO Box 846
Middleton, MA 01949
(617) 253-9519 / Fax: (617) 253-9599
E-mail: SAPP@bates.mit.edu

Chicago and National Science Explorers Program

This program uses PBS "New Explorers" videotapes. Teachers present science concepts to students. Teacher guides are available for use in the classroom and in collaboration with museums and other science institutions.

Films, Inc.
5547 North Ravenswood Avenue
Chicago, IL 60640-1199

Argonne National Laboratory
9700 South Cass Avenue
Argonne, IL 60439
(800) 343-4312

Hands-On Universe

This Lawrence Berkeley Laboratory Program makes cutting-edge astrophysics research tools and technologies available to a wide audience. Via microcomputers and electronic networks, participants can request astronomical images created from the Laboratory's professional-grade telescopes.

Lawrence Berkeley Laboratory
One Cyclotron Road
Center for Science and Engineering Education
Building 938C
Berkeley, CA 94720
(510) 486-5325 / Fax: (510) 486-6660

National Education Supercomputer Program (NESP)

In these summer workshops, students and teachers use a Cray Y-MP supercomputer dedicated to education.

Brian Lindow, Manager of Educational Technology Programs
Lawrence Livermore National Laboratory
PO Box 808
Livermore, CA 94550
(510) 422-6080 / Fax: (510) 423-0418
E-mail: lindowl@llnl.gov

Pittsburgh Energy Technology Center Outreach Programs

These programs provide energy-related materials and training seminars for K–12 teachers and students. The programs also provide scientists for onsite visits and technical presentations.

McMahan L. Gray, Research Chemist
Pittsburgh Energy Technology Center
PO Box 1094
MS 141-L
Pittsburgh, PA 15236
(412) 892-4826 / Fax: (412) 892-4158
E-mail: gray@petc.doe.gov

Science Understanding Promotes Environmental Responsibility! (SUPER!)

SUPER! gives teachers content-specific background and pedagogical strategies to assist them in effectively using environmental issues as the vehicle to grab students' attention in the classroom. Sandia brings together the technical resources of Sandia National Laboratories (California) and the education and leadership expertise of the Lawrence Hall of Science and the California Department of Education.

Nancy Wilson, SUPER! Project Leader
PO Box 969
7011 East Avenue
MS 9904
Livermore, CA 94551-0969
(510) 294-1502 / Fax: (510) 294-1526
E-mail: Nancy-Wilson@Sandia.gov

Stanford Linear Accelerator Center Summer Internships in Science and Engineering

This is an eight-week research program for underrepresented groups. Students are undergraduates chosen from a National pool of applicants.

Karen McClenahan, Administrative Assistant
Stanford Linear Accelerator Center
PO Box 4349, MS11
Stanford, CA 94309
(415) 926-2265
E-mail: kmac@slac.stanford.edu

U.S. Department of Health and Human Services (HHS)

> *If this country is to tackle one of the most difficult problems we face today—quality health care for all—it is critical that the public understand the science that underlies health. A scientifically informed citizenry is more likely to value the importance of disease prevention strategies and to act on that understanding. Because science is a life-long learning process, we must nurture it in its earliest stages—at the preschool and elementary school levels—and allow our interest and knowledge in it to broaden throughout our adult lives.*
>
> **Donna E. Shalala, Secretary**
> **U.S. Department of Health and Human Services**

Mission

The U.S. Department of Health and Human Services (HHS) is the Federal Government's principal agency for promoting the health of Americans, providing essential human services, carrying out clinical and basic biomedical and behavioral research, and providing support for predoctoral and postdoctoral research training in the life sciences. Also, HHS has long been concerned with the depth and quality of the scientific workforce and for this reason has launched a comprehensive life sciences education initiative.

Background

HHS was created in 1980 from what was formerly the U.S. Department of Health, Education, and Welfare. The work of HHS is implemented by the Office of the Secretary and four operating divisions: the Social Security Administration, the Health Care Financing Administration, the Administration for Children and Families, and the Public Health Service (PHS). The Public Health Service is the HHS agency with the major mission in science education.

In 1990 the Assistant Secretary for Health established the Public Health Service Life Sciences Education and Science Literacy Board. The Board was charged with developing strategies for ensuring an adequate pool of well-trained personnel to meet future National needs in the life sciences and increasing the level of scientific understanding among youth and adults in the United States. The Board's first significant action was to host the Prologue to Action: Life Sciences Education and Science Literacy Conference. The Conference brought together experts from across the educational and scientific communities to provide recommendations on the role PHS agencies can play in improving science education. Recommendations made at the Conference form the basis for *Meeting the Challenge: Achieving Results*, the PHS strategy on life sciences education and public understanding of science.

Role in Mathematics and Science Education

While many Federal agencies have broad educational missions that include support for science education and training, none focus specifically on biomedical and behavioral science education or literacy. HHS uses its expertise in the life sciences to provide new and expanded initiatives to support the National education efforts. The bulk of the Department's science education programs at the precollege and undergraduate levels are targeted toward bringing students who are traditionally underrepresented in the life sciences into the science education pipeline and supporting them as they move into the health professions, graduate programs, and research careers. Through its Public Health Service, HHS is enlarging the public's understanding and appreciation for the life sciences, increasing the exposure of students at all levels to biomedical and behavioral research, and expanding efforts to recruit and retain underrepresented groups.

Elementary and Secondary

Traditionally, HHS-supported training has focused on graduate and postdoctoral students. However, with the recent decrease in the number of high school and college students majoring in the sciences, the Department has begun to dedicate more of its education and training efforts to precollege education. The Department views science education as a continuum from preschool to adulthood. Elementary programs such as partnerships with local schools and school systems, and the Summer Internship Program at the high school level, allow HHS to use its greatest resource—its scientists and technical staff—to increase the enthusiasm of both teachers and students for science.

The Department offers programs targeted to the important transitional period from junior to senior high. It also operates a long-standing program for minority high school students, the Minority High School Student Research Apprentice Program (MHSSRAP). In addition, HHS provides K–12 teachers with workshops and research opportunities and collaborates with them to increase opportunities for interaction with scientists, consult on curriculum improvement projects, and explore collaborative activities with other public- and private-sector organizations.

Higher Education

To ensure the availability of well-trained professionals to meet National health research goals, graduate support has been the primary emphasis of HHS education programs. This highly successful effort has nurtured many of the newest disciplines in the life sciences today—biotechnology, human genome research, and the search for the biologic components of mental illness. Integral to the Department's mission, graduate training is a stated requirement in section 487 of the Public Health Service Act.

The efforts of HHS to recruit and retain talented undergraduate students in life sciences careers are accomplished primarily through direct financial support—grants, traineeships, and awards—to individuals and institutions. As in its programs for graduates, the Department supports undergraduate students traditionally underrepresented in the life sciences. Long-standing programs such as the Minority Access to Research Careers Honors Undergraduate Research Training Program, the Minority Biomedical Research Support Program, and the Health Careers Opportunity Program demonstrate the Department's commitment to this goal.

Public Understanding of Science

Public understanding of science is an important HHS priority. An informed public is better able to make judgments about the personal and societal implications of science and technology. Literacy in the life sciences improves the public's ability to be more effective health care consumers. Within the Department, PHS agencies are examining their programs to determine where science education messages can be more fully integrated into existing disease prevention, health promotion, consumer education, and other public outreach programs. The Department is also spearheading an interagency effort to increase the public's understanding of science by chairing the National Science and Technology Council on Education and Training Working Group on Public Understanding of Science.

How Mathematics and Science Education Programs Are Administered

The Public Health Service is the operating division within the Department of Health and Human Services that is most involved with science education. The agencies within PHS administer their own educational programs, although several PHS-wide efforts are currently underway through the Life Sciences Education and Science Literacy Board. The Office of Science Education Policy at the National Institutes of Health is responsible for policy development and coordination of science and training efforts for the Public Health Service and HHS.

Administrative Offices for Mathematics and Science Education

Division of Extramural Outreach and Information Resources

In addition to providing general information on grant programs, this division has publications on research and training opportunities.

Division of Extramural Outreach and
Information Resources
Office of Extramural Research
National Institutes of Health
6701 Rockledge Drive, Suite 6095
Bethesda, MD 20892-7910
Phone: (301) 435-0714 / Fax: (301) 480-0525
E-mail: asknih@odrockm1.od.nih.gov

Office of Science Education (OSE)

The Office of Science Education serves the National Institutes of Health intramural community, the wider scientific community, and the Nation by developing and sponsoring outstanding programs in science education, curriculum development, and biomedical research training. OSE provides leadership in the National effort to increase public understanding and appreciation of science and its role in the development of new therapies and new approaches to health.

Bruce Fuchs, Acting Director
Office of Science Education
National Institutes of Health
6100 Executive Boulevard, Room 5H01
Bethesda, MD 20892
(301) 402-2469 / Fax: (301) 402-3034

National Programs for K–12 Education

Minority High School Student Research Apprentice (MHSSRA) Program

MHSSRA has three areas of focus: high school students and inservice and preservice teachers. MHSSRA's six-to eight-week apprenticeship program cultivates interest among minority high school students in the biomedical sciences. Students work with local biomedical investigators and learn research procedures, collect and analyze data, help write scientific papers, and deliver presentations at research seminars.

MHSSRA Program for Inservice Teachers

The MHSSRA Inservice Program supports the participation of minority teachers or teachers who teach large numbers of minority students in cutting-edge biomedical research. Teachers work with biomedical investigators who are committed to broadening the teachers' scientific knowledge and understanding of technical skills in the hope that it will transfer into the classroom.

MHSSRA Program for Preservice Teachers

The MHSSRA Preservice Program supports the participation of minority undergraduate students interested in a science teaching career in biomedical research while working with local biomedical investigators. The program's intent is to expand teachers' basic scientific knowledge and expose them to research experiences before they enter the classroom.

National Center for Research Resources
National Institutes of Health
Biomedical Research Support Program
1 Rockledge Centre
6705 Rockledge Drive, MSC 7965
Bethesda, MD 20892-7965
(301) 435-0760

National Cancer Institute Student Research Training Program

The primary objective of this program is to provide training and practical experience to highly motivated high school students who work in the National Cancer Institute intramural programs and who are interested in pursuing biomedical research careers. The training program is divided into four areas of research—cancer etiology, prevention and control, treatment, and biology.

National Cancer Institute
National Institutes of Health
Equal Employment Office
Building 31, Room 10A33
9000 Rockville Pike
Bethesda, MD 20892
(301) 496-6266

National Institute of Environmental Health Sciences (NIEHS) Summers of Discovery Environmental Science Education Outreach Program

Summers of Discovery is a program for precollege science teachers and high school through graduate school students who are interested in pursuing careers in the biological sciences. The program matches participants with volunteer mentors from the intramural program to spend two to three months in the mentor's laboratory working on a research project. Participants are exposed to some of the latest biomedical, molecular, and cellular techniques.

National Institute of Environmental Health
Sciences
National Institutes of Health
Summers of Discovery
Attention: Personnel Office
PO Box 12233/RTP.NC 2NN09
Research Triangle Park, NC 27709
(919) 541-4265

Research Supplements for Underrepresented Minority High School Students

This program is designed to provide support for summer research experiences for underrepresented minority students. Any Principal Investigator holding an active National Institutes of Health research grant may be eligible to submit a request for an administrative supplement to support a minority high school student.

Office of Grant Inquiries
Division of Research Grants
National Institutes of Health
Suite 3032, NSC 7762
6701 Rockledge Drive
Bethesda, MD 20892
(301) 435-0714

Research Supplements to Promote the Recruitment of Individuals with Disabilities into Biomedical Research Careers

This program is designed to provide research experiences for qualified high school students with disabilities who wish to participate in an ongoing research project during the summer or during the school year.

Office of Grant Inquiries
Division of Research Grants
National Institutes of Health
Suite 3032, NSC 7762
6701 Rockledge Drive
Bethesda, MD 20892
(301) 435-0714

Summer Science Enrichment Program

Conducted at sites across the country, this program encourages underrepresented minorities and underserved youth to pursue professional careers in science, mathematics, and research. During the six-week sessions, scientists act as teachers and mentors. The program includes classroom and laboratory experiences, as well as weekly field trips and evening seminars.

National Cancer Institute
National Institutes of Health
Executive Plaza North, Room 240
6130 Executive Boulevard
Rockville, MD 20892
(301) 496-8680

U.S. Department of Housing and Urban Development (HUD)

Mission

The U.S. Department of Housing and Urban Development (HUD) is the principal Federal agency responsible for programs concerned with the Nation's housing needs, fair housing opportunities, and the development and improvement of the Nation's communities.

Background

The Department was established in November 1965. Major offices include Housing, which administers the Federal Housing Administration (FHA) mortgage insurance programs; Community Planning and Development, which funds homeless programs and administers the Block Grant funds to States and cities for urban improvement projects; Public and Indian Housing, which funds the construction and renovation of publicly owned and managed housing through local Public and Indian Housing Authorities; Fair Housing and Equal Opportunity, which enforces anti-discrimination laws and promotes open housing plans; and Policy Development and Research, which formulates new initiatives and evaluates program experience. HUD's programs are administered through a National network of 70 State and local offices.

Role in Mathematics and Science Education

HUD is not directly involved in programs of mathematics and science education. However, the Department strongly supports the National Education Goals as an integral part of its commitment to strengthen families and communities. HUD's programs and activities affecting education focus on the special populations served by the Department, particularly low-income families receiving housing assistance, families in public housing, and minorities.

How Mathematics and Science Education Programs Are Administered

Each office within the Department is responsible for administering its own education programs.

Administrative Offices for Mathematics and Science Education

Office of Community Planning and Development

The Department has a program of assistance to Historically Black Colleges and Universities that both builds the capabilities of the institution and involves faculty and students in real-world problems of economics, planning, and social issues in nearby communities.

Evette Idora
Office of Community Planning and Development
Department of Housing and Urban Development
451 Seventh Street SW, Room 7218
Washington, DC 20410
(202) 708-1590

Office of Lead Hazard Control

In December 1991, HUD created an Office of Lead-Based Paint Abatement and Poisoning Prevention to develop guidelines and regulations applicable to HUD and other Federally supported housing programs. While this office supports a program of public information about these hazards, the Environmental Protection Agency (EPA) manages the National information clearinghouse.

Ronald Morony, Deputy Director
Office of Lead Hazard Control
Department of Housing and Urban Development
451 Seventh Street SW
Washington, DC 20410
(202) 755-1739 / Fax: (202) 755-1000
E-mail: Ronald_J._Morony@hud.gov

Office of Public and Indian Housing

HUD's child care assistance program supports the goal of early intervention for children entering school. No programs, however, prescribe the content of the early childhood curriculum. The Department strongly supports the concept of drug education and prevention for school-age children as a way to help make public housing communities drug-free. Most Department-sponsored drug prevention programs have education components.

Sonya Burgos
Office of Public and Indian Housing
Department of Housing and Urban Development
451 Seventh Street SW, Room 4112
Washington, DC 20410
(202) 708-1197, ext. 4227
Fax: (202) 401-7965

U.S. Department of the Interior (DOI)

March 3, 1849

> *Education is the key to unlocking the vast potential of the individual and the means by which society will meet the myriad social, economic, and environmental challenges of the future.*
> **Bruce Babbitt, Secretary**
> **U.S. Department of the Interior**

Mission

As the Nation's principal conservation agency, the U.S. Department of the Interior (DOI) has responsibility for most of our Nationally owned public lands and natural resources. This includes fostering sound use of our land and water resources; protecting our fish, wildlife, and biological diversity; preserving the environmental and cultural values of our National parks and historical places; and providing for the enjoyment of life through outdoor recreation. The Department assesses our energy and mineral resources and works to ensure that their development is in the best interests of all our people by encouraging stewardship and citizen participation in their care. The Department also has a major responsibility for American Indian reservation communities and for people who live in island territories under U.S. administration.

Background

The Department of the Interior was formed on March 3, 1849. The natural resource stewardship responsibilities of the Department are carried out by its nine bureaus with more than 60 regional and 1,500 field offices.

Role in Mathematics and Science Education

DOI's stewardship mission and its extensive scientific and technological expertise present unique opportunities for educational outreach. With more than 440 million acres of land, 467 wildlife refuges, 75 fish hatcheries, and 356 National parks, including battlefields and seashores, DOI provides many opportunities for people to learn about science by observing nature firsthand.

Elementary and Secondary

About half of the Department's precollege efforts directly support students through workshops, informal classes, and student work appointments. DOI offers educational activities at its many field sites, develops curriculum materials, and provides educational opportunities to special populations. In addition, DOI supports mathematics and science instruction at the Bureau of Indian Affairs schools.

Higher Education

The majority of DOI's undergraduate programs provide student support, mostly in the form of student work appointments. Many of the bureaus enter into partnerships with State and academic institutions to further research and education in natural resource management. In addition, DOI provides support to Historically Black Colleges and Universities, Hispanic-serving institutions, and Native American Colleges and Universities. Graduate research programs fund basic and applied research and generate Earth science data. The Department also offers predoctoral and postdoctoral fellowships.

Public Understanding of Science

Fostering effective stewardship of the Nation's public lands and resources is a top Department priority. With hundreds of parks, refuges, fish hatcheries, and other field sites, many opportunities exist for visitors to gain an understanding of the natural sciences.

How Mathematics and Science Education Programs Are Administered

DOI's educational programs are administered by its nine bureaus. Because the Department's education outreach is a grassroots effort, information requests can be handled most effectively by the DOI Field Offices and facilities listed in the State Highlights section of this publication.

Administrative Offices for Mathematics and Science Education

Bureau of Indian Affairs (BIA)

The BIA works with tribal governments and Alaskan Native village communities to encourage and support tribal efforts to self-govern and to provide needed programs and services on the reservations. Developing forest lands, leasing mineral rights, directing agricultural programs, and protecting water and land rights are included in this responsibility. The BIA funds 187 elementary and secondary schools in 23 States with more than 46,000 students enrolled in preschool, kindergarten, and grades 1 through 12. Types of schools include day schools, on- and off-reservation residential schools, and peripheral dormitories. The BIA also funds 23 Tribally Controlled Community Colleges and operates two post-secondary institutions. Higher education grants for undergraduate students, graduate student assistance, and adult education funds are made available through contract.

Charles G. Geboe, Chief
Branch of Elementary and Secondary
Education
Office of Indian Education Programs
Bureau of Indian Affairs
U.S. Department of the Interior
1849 C Street NW, MS 3512, MIB
Washington DC 20240
(202) 219-1129 / Fax: (202) 219-9583
E-mail: cgeboe@ENAN.UNM.EDU

Bureau of Land Management (BLM)

Operating under the principles of multiple use and sustained yield for the benefit of all Americans, the BLM oversees National public lands. Approximately 270 million acres of public land, located primarily in the West and in Alaska, comprise about one-eighth of the total land area of the United States. The BLM promotes natural resource and environmental education through a broad range of activities conducted by field offices in 12 Western States and in scattered areas throughout the East. State offices can provide information on local district offices that sponsor environmental education programs.

Mary Tisdale, Chief
Office of Environmental Education and
Volunteers
Bureau of Land Management
1849 C Street NW, LS-Room 1275
Washington, DC 20240
(202) 219-9649 / Fax: (202) 219-2493

Bureau of Reclamation

The mission of the Bureau of Reclamation is to manage, develop, and protect water and related resources in an environmentally and economically sound manner. A major interest is safe and dependable water supplies for agricultural, municipal, industrial, and domestic users. The Bureau also oversees production of hydroelectric energy at Reclamation powerplants. Other mandates are to provide recreational and fish and wildlife benefits for the public, to enhance river regulation and navigation, and to control damaging floods.

Kathie Marsh
Bureau of Reclamation
Denver Federal Center
D-5100, Building 67
Denver, CO 80225
(303) 236-9336 ext. 223
Fax: (303) 236-3930
E-mail: kmarsh@do.usbr.gov

Minerals Management Service (MMS)

The MMS provides a variety of educational services and information to teachers and students. A major topic is the environmentally correct management of offshore natural gas, oil, and other resources, but information is also available on a number of other subjects including geology, environmental and socioeconomic sciences, marine biology, underwater archaeology, and beach restoration. MMS professionals have worked with schools in some States to develop energy resource curricula. Teacher inservice programs and classroom visitations may include booklets, brochures, posters, newsletters, and slide presentations as well as statistical and other off-the-shelf technical publications. Some of these materials are available upon request through MMS headquarters and/or regional offices. Availability may be limited, but arrangements can be made for duplication of some materials at cost to the requester.

Lyn Herdt, Chief, Office of Communications
Minerals Management Service
Office of Communications
1849 C Street NW, LMS 4230
Washington DC, 20240-0001
(202) 208-3985 / Fax: (202) 208-3968
E-mail: lyn.herdt@smtp.mms.gov

National Biological Service (NBS)

The NBS works with others to provide the scientific understanding and technologies needed to support the sound management and conservation of our Nation's biological resources.

Office of External Affairs
National Biological Service
1849 C Street NW
Washington, DC 20240
(703) 648-4060 or 4062
E-mail: alex_greg@nbs.gov

National Park Service (NPS)

The principle responsibility of the NPS is to administer the National Park System. The system is composed of more than 370 areas of great diversity, including parks, monuments, historic sites, battlefields, seashores and lakeshores, and recreational areas.

Robert Huggins, Division of Interpretation
National Park Service
Department of the Interior
PO Box 37127
Washington, DC 20013-7127
(202) 523-1056 / Fax: (202) 523-1061
E-mail: bob_huggins@nps.gov

Offshore Minerals Management Service (MMS) & Royalty Management Program

The MMS, a bureau of the Department of the Interior, manages the mineral resources of the Outer Continental Shelf in an environmentally sound and safe manner. The bureau is responsible for the timely collection, verification, and distribution of mineral revenues from Federal and Indian lands.

Lyn Herdt, Chief
Office of Communications
Minerals Management Service
1849 C Street NW, LMS 4230
Washington DC, 20240-0001
(202) 208-3985 / Fax: (202) 208-3968
E-mail: lyn.herdt@smtp.mms.gov

Office of the Secretary (OS)

OS coordinates all education programs implemented by its bureaus and agencies through the DOI Education Committee. OS supports education efforts through several ongoing projects including an education program inventory, a coordinated education program evaluation effort, and a joint project for submission of products for the Internet.

Sylvia Jones, Education Coordinator
Office of the Secretary
1849 C Street NW, MS 2759
Washington, DC 20240
(202) 208-3254 / Fax: (202) 208-3620
E-mail: sjones@ios.doi.gov

Office of Surface Mining Reclamation and Enforcement (OSMRE)

OSMRE has a twofold mission: to protect people and the environment from the adverse effects of coal mining, while recognizing the Nation's vital need for energy from coal. To those ends, OSMRE regulates current mining operations and helps repair lands that were mined and left unreclaimed and abandoned.

Sarah Donnelly, Chief, Branch of Training
Office of Surface Mining
Department of the Interior
1951 Constitution Avenue NW, Room 640 (NC)
Washington, DC 20240
(202) 208-2826 / Fax: (202) 219-3111

U.S. Fish and Wildlife Service (FWS)

The FWS conserves, protects, and enhances fish and wildlife and their habitats for the continuing benefit of the American people. Migratory birds, endangered species, freshwater and anadromous fisheries, and certain marine animals are primary FWS responsibilities.

Michael Smith, Chief, Division of Education
National Education and Training Center
U.S. Fish and Wildlife Service
Department of the Interior
Route 3, Box 49
Kearneysville, WV 25430
(304) 876-1600, ext. 346
E-mail: SmithM@mail.fws.gov

U.S. Geological Survey (USGS)

The mission of the USGS is to provide geologic, topographic, and hydrologic information that contributes to wise management of the Nation's natural resources and that promotes the health, safety, and well-being of the people. This information consists of maps, databases, and descriptions and analyses of geological entities including water, energy, and mineral resources, land surface, underlying geologic structure, and dynamic processes of the Earth.

Denise Wiltshire, Chair, USGS Education Committee
U.S. Geological Survey
116-E National Center
Reston, VA 22092
(703) 648-7114 / Fax: (703) 648-7069

National Programs for K–12 Education

Aquatic Resources Education Program

This program was designed to increase public understanding of the Nation's water resources and aquatic life and to develop responsible attitudes toward the aquatic environment.

Gene Stephenson, Education Administrator
U.S. Fish and Wildlife Service
Division of Federal Aid
Arlington Square, Room 140
4401 North Fairfax Drive
Arlington, VA 22203
(703) 358-2156 / Fax: (703) 358-1837

Celebrating Wildflowers/Wildflower Week

This nationwide program focuses on highlighting wildflower education with year-round activities. The program includes interpretation and restoration events on public lands.

Jeff Carroll, Botanist
5353 Yellowstone Road
Cheyenne, WY 82009
(307) 775-6090 / Fax: (307) 775-6082

Earth Science Information Centers (ESIC)

The ESICs offer nationwide information and sales service for U.S. Geological Survey map products and Earth science publications. This network of ESICs provides information about geologic, hydrologic, topographic, and land-use maps; books and reports; aerial, satellite, and radar images and related products; Earth science and map data in digital format and related application software; and geodetic data. ESICs can also provide information on private and public producers of Earth-science-related products throughout the United States. For more information contact any ESIC or call (800) USA-MAPS.

Earth Science Information Center, Reston
507 National Center
Reston, VA 22092
(703) 648-6045 or (800) USA-MAPS
Fax: (703) 648-5548

Earth Stewards

This six-site nationwide pilot program enlists natural resource professionals to develop and implement an environmental education program with educators, students, and other community members. The program includes interdisciplinary classroom activities and hands-on community conservation projects. Training is provided for both natural resource professionals and educators.

Claire Cassel, Environmental Education Specialist
National Education and Training Center
4401 North Fairfax Drive
MS 304 Webb
Arlington, VA 22203
(703) 358-2504 / Fax: (703) 358-2283

EarthFax

To anyone with a touch-tone phone and access to a fax machine, the U.S. Geological Survey (USGS) EarthFax system provides the latest word on earthquake activity around the world, plus information on ordering maps, the status of our water resources, and the latest products, events, and minerals information. To access EarthFax, dial (703) 648-4888. Easy-to-follow instructions guide users through the process of having the specific information they want faxed to the facsimile machine they specify. Callers can request up to three documents per call. Calls to the EarthFax system do not need to be placed from a fax telephone. Callers can provide the number of a remote fax to which material can be forwarded.

Mitch Snow
Department of the Interior
U.S. Geological Survey
Public Affairs Office
119 National Center
Reston, VA 22092
(703) 648-4460 or 4888
Fax: (703) 648-5939

Federal Junior Duck Stamp Conservation and Design Program

This program uses art as a catalyst to interest K–12 students in conservation. Focusing on migratory birds and other wildlife that depend on wetland habitats, the curriculum-based program crosses cultural, ethnic, social, and geographic boundaries. Since this kind of art activity requires an understanding of wildlife anatomy and environmental science, it can be a valid barometer of a student's grasp of these scientific elements. Students enter their drawings of North American ducks, swans, or geese in their State contest. Student winners from each State win a free trip to Washington, DC, to compete in the Federal Duck Stamp Contest. First place receives a $2,500 scholarship, and the design is used to create the Junior Duck Stamp.

JoAnn Schneider, Program Director
Federal Junior Duck Stamp Conservation Program
Department of the Interior
1849 C Street NW, Room 2058
Washington, DC 20240
(202) 208-4354

Haskell Math and Science Summer Workshop

Participants of this workshop prepare culturally sensitive curriculum materials pertaining to math, science, and natural resources for elementary teachers in Bureau of Indian Affairs schools and to better prepare teachers in the areas of curriculum development, selection, and evaluation.

Dr. Sharon Atkinson, Summer Math and Science Workshop Coordinator
Department of Natural and Social Sciences
155 Indian Avenue
Haskell Indian Nations University
Lawrence, KS 66046
(913) 749-8428

Heritage Education Program

This Bureau of Land Management program is multifaceted, providing educational experiences and teaching resources with a focus on archaeology, history, and paleontology. The program is appropriate for the school setting as well as for outdoor classrooms, museums, and other informal learning environments. Materials for educators include Intrigue of the Past, a teacher's guide to archaeology and ideas for classroom activities.

Project Manager
Bureau of Land Management Imagination Team
Anasazi Heritage Center, PO Box 758
27501 Highway 184
Dolores, CO 81323
(303) 882-4811

National Fishing Week

This National program is promoted in Wyoming through various Fishing Days and other educational activities that seek to capture the interest of the public in fishing activities. Hands-on activities, such as casting and, fishing techniques, are offered, and participants learn about the types of fish and places to fish, especially on public land.

Mark Gorges, Fisheries Biologist
5353 Yellowstone Road
Cheyenne, WY 82009
(307) 775-6100 / Fax: (307) 775-6082

Native Americans in Science Program

This program has three primary goals: (1) making Native Americans aware of the numerous types of jobs available in math and science, (2) elevating student awareness of their environment and of their natural resources and conservation, and (3) motivating students in science and mathematics.

Sam Azure, Principal
United Tribes Technical College
Theodore Jamerson Elementary School
3315 University Drive
Bismarck, ND 58554
(701) 255-3285

Parks as Classrooms

This program offers teachers an opportunity to use the National parks to augment classroom instruction. In most locations, emphasis is on ecological and biological principles, but a few locations focus on geological, meteorological, and oceanographic principles. The National Park Service offers workshops in the parks to encourage teachers to build their curricula around park resources.

Robert Huggins, National Program Director
Parks as Classrooms Program
National Park Service
PO Box 37127
Washington, DC 20013-7127
(202) 565-1050 / (202) 565-1061
E-mail: bob_huggins@nps.gov

Project Water Education for Teachers (WET)

Project WET develops diverse and innovative approaches to a balanced water education program that appeals to a wide spectrum of educators and students. The Project produces a variety of educational publications, models, and programs that respond to the varied learning styles of young people. Highlights include natural and social sciences, mathematics, and the arts. States currently involved in Project WET are listed in the State Highlights section of this publication.

Dennis Nelson, Director
National Project WET
201 Culbertson Hall
Montana State University
Bozeman, MT 59717
(406) 994-5392

Project WILD

This project provides training and curriculum materials for teachers interested in the environmental sciences. The guides contain more than 80 supplementary, interdisciplinary activities for grades K–12. Guides are free to teachers attending the training session. The Project WILD coordinator in each State can provide additional information.

Betty Olivolo, Director
Project WILD
5430 Grosvenor Lane
Bethesda, MD 20814
(301) 493-5447 / Fax: (301) 493-5627

Research Apprenticeship Program for Students

Selected high school students learn about the management of natural and cultural resources on the Nation's public lands through first-hand work experience. Students work directly with scientists and other professionals. The program operates in the Western U.S.

Steven Shafran
Bureau of Land Management
Denver Federal Building
390 Union, Suite 350
Denver, CO 80025-5698
(303) 969-5698

Science Education Training Project Workshops

Sinte Gleska University, in cooperation with the South Dakota School of Mines and Technology, has hosted the Science Education Training Project since 1991. Two workshops are offered exclusively for teachers of American Indian students in grades K–8. The primary goal is to provide these elementary teachers with content, methods, activities, evaluative strategies, and curriculum development skills necessary for the implementation of culturally based, hands-on science and math activities in their classrooms. This is an empowerment process that includes the development of confidence, as well as knowledge and skills.

Dr. Leland Bordeaux, Director
Sinte Gleska University
PO Box 8
Mission, SD 57555
Phone: (605) 856-2886 / Fax: (605) 856-2011

Southwestern Indian Polytechnic Institute (SIPI) College Bound Math and Science Enrichment Program

During the school year, the students involved in this program work on assigned projects with coordinators at their high schools. The projects are used to keep the students working toward their education goals and to strengthen the students' computer networking skills. Since 1991, a one week workshop at the NERSC Supercomputer facilities in Livermore, California, has been included in the program. This workshop introduces students to the Cray Supercomputer and the skills required to use it. The workshops are conducted by staff from both the Sandia and Lawrence Livermore National Laboratories.

Joe Skenandore, College Bound Coordinator
Southwestern Indian Polytechnic Institute
SIPI College Bound Math and Science
Enrichment Program
PO Box 10146
Albuquerque, NM 87184
(505) 897-5347

Suitcase for Survival

This special education campaign acquaints young people with protected wildlife and how illegal trade in these species threatens them with extinction. The program is a cooperative effort sponsored by the U.S. Fish and Wildlife Service, the American Zoo and Aquarium Association, the World Wildlife Fund, and the National Fish and Wildlife Foundation. Operated Nationally through zoological parks across the country, the program sponsors training classes for teachers to enable them to use program suitcases, donated by American Tourister, that are filled with confiscated wildlife products and educational materials. The recommended curriculum helps children understand the connection between living animals and the products in the suitcases.

Lynn Baptista, Director of Education
American Zoo and Aquarium Association
Parks and Aquariums
7970-D Old Georgetown Road
Bethesda, MD 20814
(301) 907-7777

University of Arizona Holistic Science and Whole Language Workshop

This program, funded by the Bureau of Indian Affairs, is designed to provide a high quality Whole Language Math and Science workshop to teachers of American Indian children throughout the United States. The three primary goals of the program are to develop philosophical foundations for the integration of language arts, science, and math, to build the relationships between the use of oral and written language as a tool for the development of science and math concepts, and to add to an established set of teaching and learning strategies.

Dr. Kenneth S. Goodman or Dr. Yetta M. Goodman
University of Arizona
College of Education
Department of Language, Reading, and Culture
Tucson, AZ 85729
(602) 621-7868

Watchable Wildlife

This program will create a National network of wildlife viewing areas by forming State coalitions that consist of Federal agencies, nonprofit organizations, and environmental associations. Teachers may, for a small fee, purchase a guidebook to their State's Watchable Wildlife facilities. Future plans include the development of interpretive exhibits, visitor centers, environmental and conservation programs, and educational materials. Currently, 20 States participate in this program.

Mark Hilliard, Wildlife Appreciation Program Manager
Western Fish and Wildlife Staff
3380 Americana Terrace
Boise, ID 83706
(208) 384-3088

Youth Conservation Corps

This summer employment program is offered by both the U.S. Department of Agriculture and DOI. Students, ages 15–18, work on projects to further the development and conservation of U.S. natural resources. Work projects are planned, directed, and executed to give enrollees an understanding of their tasks and how their work enhances the environment.

Youth Conservation Corps Coordinator
U.S. Department of the Interior
National Park Service
PO Box 37127, Suite 57
Washington, DC 20013-7217
(202) 343-5514

U.S. Department of Justice (DOJ)

We must work to free our teachers of the social burdens in our schools, such as drugs and violence, so that they may rise to the educational challenge of teaching our children the skills that will meet our Nation's growing scientific and technological needs. Only by making this investment in our children now will they be prepared to maintain America as a first-rate Nation.

Janet Reno, U.S. Attorney General
U.S. Department of Justice

Mission

The U.S. Department of Justice (DOJ) provides legal advice to the President, represents the Executive Branch in Federal courts, investigates Federal crimes, enforces Federal laws, operates Federal prisons, and provides law enforcement assistance to State and local communities.

Background

The Office of the Attorney General was established in 1789, and the Department of Justice was subsequently established in 1870. Professionals of the highest caliber comprise the Department's many litigating divisions, law enforcement offices, and management and coordination offices.

Role in Mathematics and Science Education

Compared with the Federal science mission agencies, the Department of Justice does not have a significant focus on mathematics- and science-related occupations. However, the Department conducts numerous programs that support National educational goals, including improving student performance in mathematics and science. In addition, mathematics and science play an important role in certain aspects of the Department's mission, particularly the laboratory operations of the Federal Bureau of Investigation and the Drug Enforcement Administration. Opportunities for the active participation of students in the scientific endeavors of the Department are necessarily limited by the confidential nature of investigations into illegal activity and the need for security clearance.

Elementary and Secondary

Most programs offered by DOJ are part of delinquency prevention or volunteer educational outreach, and are not directly related to mathematics or science education.

Higher Education

DOJ activities have an indirect impact in the areas of education programs in mathematics and science. The Department awards research grants and sponsors graduate research fellowships and summer intern programs.

How Mathematics and Science Education Programs Are Administered

While DOJ is not a leader among Federal agencies in the field of mathematics and science education, the National Institute of Justice, the Federal Bureau of Investigation, and the Drug Enforcement Administration sponsor programs related to the Department's research efforts.

Administrative Offices for Mathematics and Science Education

The Drug Enforcement Administration

The Drug Enforcement Administration supports drug investigations through the eight forensic laboratories located throughout the Nation. Chemists in these facilities participate in various educational activities.

Aaron P. Hatcher, III, Deputy Assistant Administrator
Office of Forensic Sciences
Drug Enforcement Administration
Washington, DC 20537
(202) 307-8866 / Fax: (202) 307-8851

The Federal Bureau of Investigation (FBI)

The FBI provides training and research to law enforcement through the Forensic Science Research and Training Center. Research at the Center focuses on the development of new methods in forensic science. The Center operates a summer student intern program for upper-level college students.

Donald W. Thompson, Jr., Acting Assistant Director
Laboratory Division
Federal Bureau of Investigation
FBI Building, Room 3090
9th Street and Pennsylvania Avenue NW
Washington, DC 20535
(202) 324-4412 / Fax: (202) 324-1093

The National Institute of Justice, Office of Justice Programs

Created in 1968 as DOJ's principal research branch, the National Institute of Justice awards competitive grants to researchers to conduct studies on the prevention and control of crime and criminal behavior and on the criminal justice system. Grants are also awarded to improve scientific approaches to the forensic investigation of crime as well as to the development and adaptation of law enforcement technologies. The National Institute of Justice disseminates its research findings to the field through a variety of conferences and publications. The Institute also sponsors graduate research fellowships to support work in the field of criminal justice.

Jane Wiseman
National Institute of Justice
633 Indiana Avenue NW, Room 846
Washington, DC 20531
(202) 616-3233 / Fax: (202) 307-6394

U.S. Department of Labor (DOL)

Knowledge and skills the market demands. Our challenge is to provide every man and woman, student and worker, with the opportunity to acquire the academic and technical skills they need to achieve the economic security we all want.
Timothy M. Barnicle
Assistant Secretary of Labor for Employment and Training
U.S. Department of Labor

Mission

The basic concern of the U.S. Department of Labor (DOL) is quality of life for American workers. The Department enforces laws that protect jobs, pension rights, and worker safety and health; helps people find jobs; sponsors training for those who need it; guides the Nation's unemployment insurance system; monitors changes in employment and prices; and provides services and information to workers, employers, teachers, students, business people, government officials, and others.

Background

The Department was created as a cabinet-level agency by Congress in 1913 "to foster, promote, and develop the welfare of the wage earners of the United States, to improve their working conditions, and to advance their opportunities for profitable employment." Predecessor agencies had existed since 1884, but this legislation marked the first time that a cabinet department was created with the primary function of furthering the interests of working people.

Role in Mathematics and Science Education

For most agencies and offices within DOL, the major training activity is directed toward Federal staff, and in some cases, State and local staff, to help them carry out their responsibilities. The Department's Employment and Training Administration (ETA) also is involved in broad basic mathematics and science education and vocational training for unskilled and unemployed workers. Training activities focus on vocational technical training skills and basic literacy education, including mathematics and general equivalency diploma (GED) preparation, which is generally provided outside the traditional education system. Among other activities, ETA funds training programs to enable workers to gain the skills they need for employment, primarily those authorized by the Job Training Partnership Act (JTPA), , which includes a system of decentralized State and local programs, funded through grants to the States, and the Job Corps.

How Mathematics and Science Education Programs Are Administered

DOL's mathematics and science education programs are administered by the Department's Employment and Training Administration and operated at the State or community levels.

Administrative Offices for Mathematics and Science Education

Employment and Training Administration, Office of Job Training Programs

This office administers eight programs for economically disadvantaged youth and adults.

Theodore Mastroianni, Administrator
Office of Job Training Programs
Employment and Training Administration
U.S. Department of Labor
200 Constitution Avenue NW, Room N4459
Washington, DC 20210
(202) 219-6236 / Fax: (202) 208-5913

The listings below provide descriptions and contact information for three offices of the Employment and Training Administration that administer programs for different populations:

Office of Employment and Training Programs

This office provides programs for disadvantaged adults, the Summer Youth Employment and Training Programs, and Year-Round Youth Programs.

James Aaron, Director
Office of Employment and Training Programs
Employment and Training Administration
U.S. Department of Labor
200 Constitution Avenue NW, Room N4459
Washington, DC 20210
(202) 219-5580 / Fax: (202) 219-7190

Office of Special Targeted Programs

This office directs the Indian and Native American Programs, Older Worker Programs, Persons with Disabilities Program, and Migrant and Seasonal Farmworker Programs.

Anna Goddard, Director
Office of Special Targeted Programs
Employment and Training Administration
U.S. Department of Labor
200 Constitution Avenue NW, Room N4459
Washington, DC 20210
(202) 219-5500 / Fax: (202) 219-6338

Office of Worker Retraining and Adjustment Programs

This office administers programs for dislocated workers.

Shirley Smith or Eric Johnson, Program Managers
Office of Worker Retraining and Adjustment Program
Employment and Training Administration
U.S. Department of Labor
200 Constitution Avenue NW, Room N5426
Washington, DC 20210
(202) 219-5577 / Fax: (202) 219-5938

National Programs for K–12 Education

Job Corps

This residential employment and training program for severely disadvantaged youth, ages 16–24, prepares young people for employment and entrance into vocational and/or technical schools or other institutions for further education and training. Students receive room and board, books, supplies, and a cash living allowance. The program offers vocational training, English-as-a-second-language (ESL), basic education, and instruction in personal hygiene, nutrition, positive work habits, social skills, parenting, intergroup relations, and constructive use of leisure time. Services are provided at one of more than 100 Job Corps centers across the country.

The individually paced basic education program includes reading, mathematics, and GED and precollege preparation.

John Chowning, Education Specialist
Education and Enrollee Support Unit
Job Corps
Employment and Training Administration
U.S. Department of Labor
200 Constitution Avenue NW, Room N4507
Washington, DC 20210
(202) 219-5556 / Fax: (202) 219-5183

Job Training Partnership Act (JTPA) State and Local Programs for Economically Disadvantaged Adults and Youth

State and local JTPA Programs, available in virtually every part of the country, prepare economically disadvantaged adults and youth to compete in the labor market. Depending on an individual participant's needs, a broad array of services are available through these programs, including vocational training, basic mathematics, and GED instruction. Activities include a special Summer Jobs Program for low-income youth. The summer program has an education component.

Josephine Nieves, Administrator
Office of Employment and Training
  Programs
Employment and Training Administration
U.S. Department of Labor
200 Constitution Avenue NW, Room N4469
Washington, DC 20210
(202) 219-6236 / Fax: (202) 219-7190

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U.S. Department of Transportation (DOT)

> *Sound technological investments can promote long-term economic growth that creates jobs and protects the environment; can help make government more efficient; and can provide the basis for National leadership in application of new technology to economic growth.*
>
> **Rodney Slater, Secretary**
> **U.S. Department of Transportation**

Mission

The U.S. Department of Transportation (DOT) will shape the National Transportation Policy to "tie America together" with a safe, technologically advanced, and efficient transportation system. This system will promote economic growth and international competitiveness now and in the future, and will contribute to a healthy and secure environment for us and our children.

Background

Since 1967 the Department has helped keep the Nation's transportation system operating. The Department functions through 10 operating administrations, each of which oversees a different aspect of transportation and implements its own programs directly, reporting to the Secretary of Transportation.

Role in Mathematics and Science Education

Mathematics and science education is a critical support activity to ongoing DOT programs. Education conveys new technical skills to professionals already in the transportation community. It also develops a pool of trained technical talent to move into jobs in the transportation sector.

Elementary and Secondary

The Federal Aviation Administration (FAA) offers aviation education programs for educators at all levels (K–college) that stimulate student interest in mathematics and science. FAA-sponsored programs for students include Air Bear for elementary students, the International Aviation Art Contest, and the Aviation Career Education (ACE) Academy summer program for high school students, which focuses on the science of flight and the study of science and careers. In addition, the Research and Special Programs Administration's Volpe National Transportation Systems Center encourages awareness of transportation careers.

Higher Education

Institutions of higher education can receive DOT assistance, including funding to support curricula and grants for research related to transportation. The Department sponsors cooperative education programs, research fellowships, and scholarships. In addition, most DOT operating administrations have technical laboratories with advanced technology materials and are required to engage in research application and technology transfer activities. DOT is committed to increasing involvement of Historically Black Colleges and Universities and Hispanic-serving institutions in funded programs and activities.

How Mathematics and Science Education Programs Are Administered

Each operating administration within the Department of Transportation is responsible for its own education programs.

Administrative Offices for Mathematics and Science Education

Aviation and Transportation Education Programs

DOT, along with the Federal Aviation Administration (FAA), has designated more than 100 education resource centers across the country. Located at museums, science centers, State transportation and education departments, and schools and colleges with interest in aviation and transportation education, the centers conduct teacher workshops and youth programs and provide assistance to educators and the public. DOT/FAA has also established partnerships with industry and education organizations.

Phillip S. Woodruff
Aviation & Transportation Education Programs
U.S. Department of Transportation
FAA Headquarters, AHR-15, Suite 515
800 Independence Avenue SW
Washington, DC 20591
(202) 267-5788 / Fax: (202) 366-3786

Federal Information Exchange/Minority Online Information System (FEDIX/MOLIS)

All DOT agencies provide information regarding education programs through the FEDIX/MOLIS, an electronic clearinghouse of aviation educational materials, resources, and references. MOLIS provides information on minority institutions and their programs and opportunities. Access is free.

Wendy Crabbs
Aviation & Transportation Education Programs
U.S. Department of Transportation
(301) 975-0103
E-mail: dot.m@rams-fie.com
WWW: http://www.rams-fie.com

National Highway Institute (NHI)

The NHI administers the Dwight David Eisenhower Transportation Fellowship Program, which includes the Eisenhower Graduate Fellowships, the Eisenhower Grants for Research Fellowships, the Eisenhower Historically Black Colleges and Universities Fellowships, the Eisenhower Hispanic-Serving Institutions Fellowships, the Eisenhower Faculty Fellowships, and the Tribal Initiatives Fellowships. The NHI also administers the College Curriculum Program, in which materials developed for short courses are tested by practitioners for effectiveness and shared with colleges and universities.

Ilene D. Payne, Director, University and Grants Program
National Highway Institute
901 North Stuart Street, Suite 300
Arlington, VA 22203
(703) 235-0538

Office of Research Policy and Technology Transfer, Research and Special Programs Administration (RSPA)

RSPA research and technology programs ensure that DOT's research and development program is effectively advancing U.S. transportation technology and expertise. Using a multimodal systems approach, the RSPA provides the Secretary with a critical counterbalance to the focus on the needs of individual modes of transportation in the other

DOT operating administrations. The research and technology programs also provide analyses of specific technology areas and ensure that the Department's efforts integrate with government-wide technology initiatives and priorities. These activities are particularly important in science and technology education. The programs also help ensure that results of DOT research and other innovative efforts from across the country are made available to Federal, State, and local officials, the transportation community, and academia.

Elaine E. Joost, Deputy Director
Office of Research Policy and Technology
Transfer (DRT-2)
Research and Special Programs
Administration
400 Seventh Street SW
Washington, DC 20590
(202) 366-4208 / Fax: (202) 366-3272
E-mail: Jooste@rspa.dot.gov

National Programs for K–12 Education

International Science Fair

The annual International Science Fair, administered by Science Service, Inc., is the world's largest science fair. The FAA supports this program by providing qualified judges and awards in the Special Awards Program area. The Special Awards Program is sponsored by scientific and engineering societies, Federal agencies, colleges and universities, and private industry

Aviation Education Representative
Atlantic City International Airport
Human Resource Management Division
Atlantic City, NJ 32137
(609) 485-6032 / Fax: (609) 485-4391

Transportation and Aviation Education Conferences

DOT sponsors an annual National Transportation Education Conference that brings all DOT agencies together with the transportation industry and education communities. In addition, DOT/FAA, the Aviation, Space & Transportation Education Association (ASTEA), and the Magnet Schools of America (MSA) cosponsor the Annual Aviation and Transportation Magnet School Conference.

Phillip S. Woodruff
Aviation & Transportation Education
Programs
U.S. Department of Transportation
FAA Headquarters, AHR-15, Suite 515
800 Independence Avenue SW
Washington, DC 20591
(202) 366-6370 / Fax: (202) 366-3786

U.S. Department of Veterans Affairs (VA)

The basics of education are not enough anymore; in order to be competitive in the future, Americans will need a foundation of quality education, and they will need to continue learning throughout their lifetime. I believe, as the President does, that our educational system can achieve international excellence, if we establish clear standards and support realistic student loan programs. The VA will continue to be a major contributor in this area through GI Bill benefits and our involvement in health care education.

Jesse Brown, Secretary
U.S. Department of Veterans Affairs

Mission

The mission of the U.S. Department of Veterans Affairs (VA) is to serve America's veterans and their families with dignity and compassion and to be their principal advocate in ensuring that they receive the care, support, and recognition they have earned in service to this Nation.

Background

The Department of Veterans Affairs, formerly the Veterans Administration, was elevated to Cabinet level in 1989. The Department has three main components that administer veterans' programs: the Veterans Health Administration, the Veterans Benefits Administration, and the National Cemetery System.

Role in Mathematics and Science Education

The vast VA workforce, representing diverse science- and technology-related professions, includes physicians, nurses, statisticians, architects, and computer specialists. As part of its mission to provide health care to eligible veterans, the VA provides training and education for health professionals and conducts medical, health, and rehabilitation research. The Department supports graduate-level education through more than 40 health professions education programs. The Department also administers education benefits to eligible veterans, service persons, and dependents.

How Mathematics and Science Education Programs Are Administered

Two VA administrative offices are involved in education activities: the Veterans Health Administration and the Veterans Benefits Administration.

Administrative Offices for Mathematics and Science Education

The Veterans Health Administration, Office of Academic Affairs

This office conducts the Nation's largest coordinated education and training effort for the health professions. There are no K–12 programs.

Elizabeth M. Short, M.D., Chief, Academic Affiliations
Department of Veterans Affairs
Office of Academic Affiliations (14)
810 Vermont Avenue NW
Washington, DC 20420
(202) 565-7091

Veterans Benefits Administration, Education Service

This service conducts several basic educational programs for veterans, service persons, and eligible dependents. Some younger users of the Dependents Education Assistance program may be involved in math and science programs. Assistance is in the form of monthly payments, for a period of up to 45 months, to be used for tuition, books, and subsistence. Young people between the ages of 18 and 26 are eligible if they are children of veterans or servicepersons in several categories: living veterans whose service-connected disabilities are considered permanently and totally disabling, veterans who died of any cause while such service-connected disabilities were in existence, veterans who died of a service-connected disability, or servicepersons who have been listed for a total of more than 90 days as currently missing in action or as currently prisoners of war. Application is made by filing a VA Form 22-5490, which can be obtained from any VA Regional Office.

Celia P. Dollarhide, Director
Education Service (22)
810 Vermont Avenue NW
Washington, DC 20420
(202) 273-7132 / Fax: (202) 275-2636

U.S. Environmental Protection Agency (EPA)

Environmental education is an important new initiative at EPA. However, widespread improvements in environmental literacy require a unified commitment from government, business, environmental organizations, and educators alike to increase the quality of our environmental education initiatives.

Carol M. Browner, Administrator
U.S. Environmental Protection Agency

Mission

The U.S. Environmental Protection Agency (EPA) is responsible for implementing the Federal laws designed to protect the public from environmental hazards, enhance the quality of our natural environment, and expand our knowledge of the environment. The Agency endeavors to accomplish its mission systematically by proper integration of a variety of research, monitoring, standard-setting, enforcement, and educational activities. As a complement to its other activities, EPA coordinates and supports research and antipollution activities of State and local governments, private and public groups, individuals, and educational institutions. EPA also monitors the operations of other Federal agencies with respect to their impact on the environment.

Background

The Environmental Protection Agency was created through Reorganization Plan #3 of 1970, which was devised to consolidate the Federal Government's environmental regulatory activities into a single agency. The plan was sent by President Nixon to Congress on July 9, 1970, and the Agency began operation on December 2, 1970.

The enactment of major new environmental laws and important amendments to older laws in the 1970s and 1980s greatly expanded EPA's responsibilities. The Agency now administers 10 comprehensive environmental protection laws: the Clean Air Act; the Clean Water Act; the Safe Drinking Water Act; the Comprehensive Environmental Response, Compensation, and Liability Act; the Federal Insecticide, Fungicide, and Rodenticide Act; the Toxic Substances Control Act; the Marine Protection, Research, and Sanctuaries Act; the Uranium Mill Tailings Radiation Control Act; and the Pollution Prevention Act. In addition, the National Environmental Education Act of 1990 gave EPA, for the first time, the authority to develop a National environmental education program.

Role in Mathematics and Science Education

As political leaders and the public continue to recognize the urgency and global nature of environmental challenges, the EPA will be required to respond with still higher quality research, innovative analysis, and sound strategies for public involvement. Currently, more than one-third of the Agency's employees are scientists and engineers, and the demands for highly educated and talented staff will only increase as the scientific complexity of environmental problems increases. Clearly, the Agency has a vested interest in ensuring that the Nation's education system produces students literate in mathematics and science, and that the Nation produces an adequate supply of world-class scientists and engineers. In addition, the Agency believes an environmentally educated public is the best way to bring about voluntary changes in personal behaviors that affect the environment.

Elementary and Secondary

As a result of the passage of the National Environmental Education Act of 1990, the Agency will focus on two broad areas of environmental education: improving basic science literacy as the core of environmental education for students in grades K–12 (and in college), and informing the general public about environmental consequences of their individual and collective actions and motivating them to address environmental problems.

Higher Education

EPA offers predoctoral fellowships and traineeships and postdoctoral fellowships. Undergraduate programs provide opportunities for research, work study, and other forms of assistance to students.

How Mathematics and Science Education Programs Are Administered

The Agency's headquarters in Washington, DC, maintains overall planning, coordination, and control of EPA programs, and two offices at headquarters have responsibilities related to education programs. To ensure that EPA is truly responsive to the American people, the Agency has established 10 regional offices, and each of these offices has an environmental education coordinator. In addition, the EPA maintains field offices in the following categories: laboratories, investigations, and administration.

Administrative Offices for Mathematics and Science Education

Environmental Education Division

The mission of this division is to advance and support National and international environmental education efforts, to develop an environmentally conscious and responsible public, and to inspire in all individuals a sense of personal responsibility for the care of the environment.

C. Michael Baker, Acting Director
Environmental Education Division
U.S. Environmental Protection Agency
401 M Street SW (1707)
Washington, DC 20460
(202) 260-4965 / Fax: (202) 260-4095
E-mail: baker.michael@epamail.epa.gov

Office of Research and Development (ORD)

This office coordinates education programs related to research efforts. Each ORD facility and office plans and administers a range of programs, precollege through graduate, which vary according to laboratory specialization and community needs.

Betty Overton or Ron Slotkin
Office of Research and Development
U.S. Environmental Protection Agency
401 M Street SW (H-8105)
Washington, DC 20460
(202) 260-1557 / Fax: (202) 260-0929

National Programs for K–12 Education

Environmental Education and Training Program

In September 1995, EPA entered into a three-year cooperative agreement with a consortium of nonprofit organizations and academic institutions led by the North American Association for Environmental Education (NAAEE) to operate the second three-year phase of a nationwide environmental education and training program. This program is authorized under Section 5 of the National Environmental Education Act of 1990. Its purpose is to train education professionals to develop and deliver quality environmental education programs. The second phase will focus on supporting and expanding existing quality training efforts; identifying, evaluating, and disseminating information on model education materials, teaching methods, and programs; and strengthening and expanding partnerships and networks. This effort builds upon the work initiated by the National Consortium for Environmental Education and Training (NCEET) led by the University of Michigan, which operated the program from 1992 to 1995.

Kathleen MacKinnon, Project Officer
EPA Environmental Education Division (1707)
401 M Street SW
Washington, DC 20460
(202) 2604951 / Fax: (202) 260-4095
E-mail: mackinnon.kathleen@epamail.epa.gov

Augusto Medina, Project Manager
NAAEE
1255 23rd Street NW, Suite 400
Washington, DC 20037
(202) 884-8788 / Fax: (202) 884-8701
E-mail: gmedina@web.apc.org

Environmental Education Grants Program

The purpose of this program is to stimulate environmental education by supporting projects to design, demonstrate, or disseminate new practices, methods, or techniques related to environmental education. Projects must demonstrate the potential for wide application and address a high-priority environmental issue. Only State and local agencies and nonprofit organizations or institutions are eligible to apply for grants; however, teachers may participate in the program through their school or another organization. Grants of less than $25,000 are awarded by the Regional Offices and inquiries should be directed to the appropriate region. Grants of $25,000 to $250,000 are awarded from the Washington Office.

George Walker, Grants Specialist
Environmental Education Grants Program
Environmental Education Division
U.S. Environmental Protection Agency
401 M Street SW (1707)
Washington, DC 20460
(202) 260-8619 / Fax: (202) 260-4095
E-mail: walker.george@epamail.epa.gov

Project Air Information Resources for Education (A.I.R.E.)

In cooperation with the American Lung Association, EPA Air and Radiation employees are working with schools Nationally to promote awareness of air quality issues and science. Program volunteers visit classrooms and conduct demonstrations, talks, and interactive sessions about air pollution and the decision-making involved in developing EPA policy from science. Text is available.

Linda Zarro, Coordinator
Office of Air and Radiation
U.S. Environmental Protection Agency
401 M Street SW (6102)
Washington, DC 20460
(202) 260-6621

Public Information Centers (PICs)

PICs provide public access to information selected and maintained by the Federal Government on major ecological and environmental issues. The centers offer publications, data, interactive computer workstations, theaters, and exhibits, although available services may vary from center to center. PICs also supply environmental education materials for K–12 students and teachers. A PIC is located within each of the 10 regional offices.

Public Information Center
U.S. Environmental Protection Agency
401 M Street SW (3404)
Washington, DC 20460
(202) 260-2080 / Fax: (202) 260-6257
E-mail: Public-Access@epamail.epa.gov

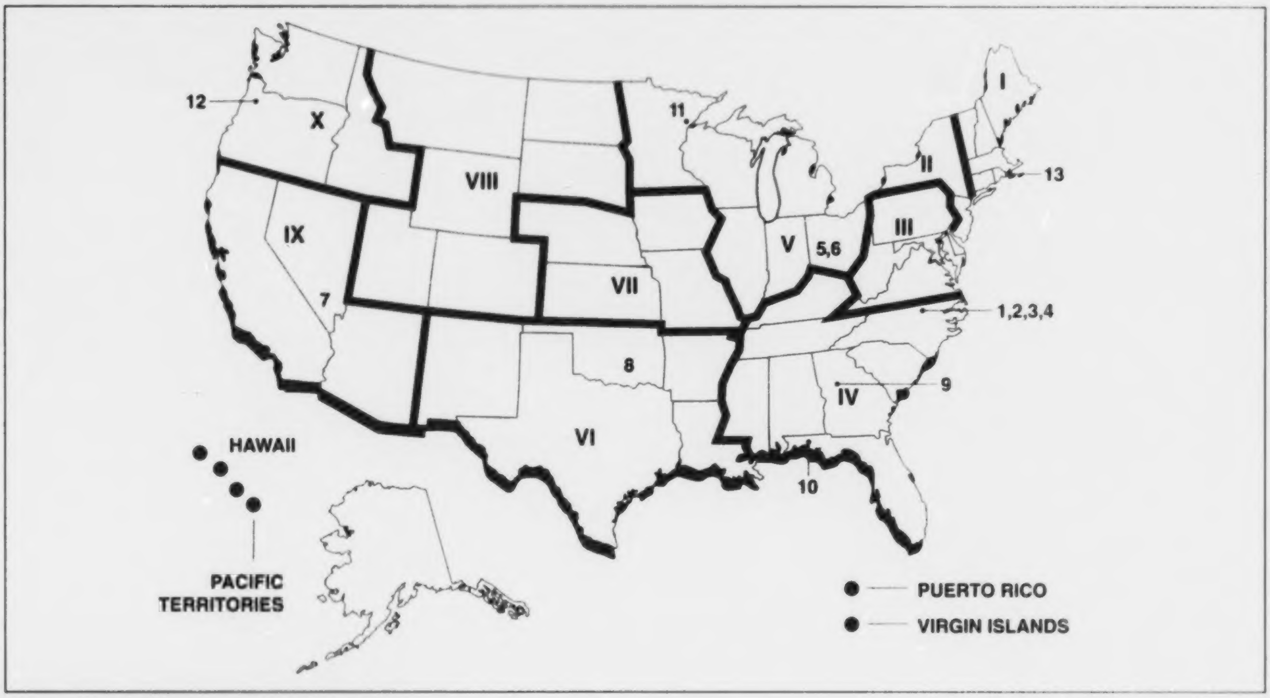
The President's Environmental Youth Awards (PEYA) Program

Young people from each State are invited to participate in the PEYA Program. This nationwide K–12 program is designed to encourage individuals, school classes, summer camps, public interest groups, and youth organizations to promote environmental awareness and positive community involvement. The two components of the program are the regional certificate program and the National awards competition. Regional certificates, signed by the President, are awarded to each participant by EPA regional offices. National individual project winners or one representative from a National award-winning group project, along with one sponsor, are honored by EPA headquarters in Washington. Interested individuals or groups may obtain application materials and contest rules by contacting the appropriate EPA Regional Office that services their State. PEYA has been an ongoing project since it was created in 1971 by the White House Office of Education and the U.S. Environmental Protection Agency.

Doris Gillispie, Youth Program Coordinator
Environmental Education Division
U.S. Environmental Protection Agency
401 M Street SW (1707)
Washington, DC 20460
(202) 260-8749 / Fax: (202) 260-0790
E-mail: gillispie.doris@epamail.epa.gov

U.S. Environmental Protection Agency (EPA)

Regional Office and Research Laboratories



Regional Offices

To ensure that EPA is truly responsive to the American people, it has established 10 regional offices. Each office has an Environmental Education Coordinator who oversees participation in regional environmental education programs, which include a variety of activities. Materials and information on environmental issues are also available.

Region I	Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont
Region II	New Jersey, New York, Puerto Rico, Virgin Islands
Region III	Delaware, District of Columbia, Maryland, Pennsylvania, Virginia, West Virginia
Region IV	Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee
Region V	Illinois, Indiana, Michigan, Minnesota, Ohio, Wisconsin
Region VI	Arkansas, Louisiana, New Mexico, Oklahoma, Texas
Region VII	Iowa, Kansas, Missouri, Nebraska
Region VIII	Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming
Region IX	Arizona, California, Hawaii, Nevada, American Samoa, Guam
Region X	Alaska, Idaho, Oregon, Washington

Research Laboratories and Offices

The Office of Research and Development has research laboratories and offices that plan and administer a range of environmental programs, precollege through graduate level, which vary according to laboratory specialization and community needs.

1. **Air and Energy Engineering Research Laboratory**, Research Triangle Park, North Carolina
2. **Atmospheric Research and Exposure Assessment Laboratory**, Research Triangle Park, North Carolina
3. **Health Effects Research Laboratory**, Research Triangle Park, North Carolina
4. **Environmental Criteria and Assessment Office**, Research Triangle Park, North Carolina
5. **Risk Reduction Engineering Laboratory**, Cincinnati, Ohio
6. **Environmental Monitoring Systems Laboratory**, Cincinnati, Ohio
7. **Environmental Monitoring Systems Laboratory**, Las Vegas, Nevada
8. **Robert S. Kerr Environmental Research Laboratory**, Ada, Oklahoma
9. **Environmental Research Laboratory**, Athens, Georgia
10. **Environmental Research Laboratory**, Gulf Breeze, Florida
11. **Environmental Research Laboratory**, Duluth, Minnesota
12. **Environmental Research Laboratory**, Corvallis, Oregon
13. **Environmental Research Laboratory**, Narragansett, Rhode Island

National Aeronautics and Space Administration (NASA)

NASA's mission in aeronautics and space, its unique facilities, and specialized workforce provide educators and students a National resource for enhancing and expanding scientific and technological competence. The Agency's commitment to promoting excellence in America's education system is carried out through the integrated application of science, mathematics, and technology that is inherent in NASA's research capabilities, scientific discoveries, advanced technologies, and future explorations.

Daniel S. Goldin, Administrator
National Aeronautics and Space Administration

Mission

As the agency responsible for the Nation's civilian aerospace program, the National Aeronautics and Space Administration (NASA) mission is threefold:

- To advance and communicate scientific knowledge and understanding of the Earth, the solar system, and the universe, and to use the environment of space for research;
- To explore, use, and enable the development of space for human enterprise;
- To research, develop, verify, and transfer advanced aeronautics, space, and related technologies.

Background

On October 1, 1958, the U.S. Congress created the National Aeronautics and Space Administration through the Space Act. The legislation combined certain military space research programs with the existing National Advisory Committee for Aeronautics to create a unique civilian agency for aeronautical and space activities.

Current major areas of activity include five enterprises: Mission to Planet Earth; Aeronautics; Human Exploration and Development of Space; Space Science; and Space Technology. Ten Field Centers located across the country provide NASA with the expertise to conduct research in all facets of aeronautics and space.

Role in Mathematics and Science Education

To maintain a leadership role in the 21st century, NASA and other Federal agencies must contribute to systemic reform of American education. NASA's education vision is to promote excellence in America's school systems by involving the educational community in our endeavors to inspire America's students, create learning opportunities, and enlighten inquisitive minds. NASA uses its inspiring mission, unique facilities, and specialized workforce to conduct science, mathematics, and technology education programs and activities.

Elementary and Secondary

To nurture early enthusiasm for science, mathematics, and technology, NASA has developed a broad range of programs and services for students at the elementary and middle school levels. These programs are specifically designed to use space and aeronautics as the vehicle to inspire students' interest in science, mathematics, and technology. Once interest has been captured, it is imperative to follow through at the secondary level with both formal and informal education experiences. NASA provides programs for teachers and faculty that have been specifically designed to enhance their knowledge, skills, and experience. Additionally, in a continuing effort to address groups that have not been adequately represented in the science and engineering workforce, NASA offers educational programs that are specifically tailored for underrepresented minority students at the middle school and high school levels, as well as for minority teachers and faculty members.

Higher Education

NASA's higher education programs target faculty, graduate and undergraduate students, colleges and universities, and other organizations with an interest in aeronautics; life, Earth, and space science research; education; and related public service. NASA's programs at the collegiate level feature active participation in NASA research, undergraduate and graduate student financial support, and faculty preparation and enhancement activities.

Public Understanding of Science

NASA Visitor Centers offer the public a unique chance to see first-hand the past, present, and future of U.S. aerospace research. The Centers display hundreds of artifacts, scale models, and pieces of actual space equipment. Many of the Centers also offer special films, programs, and attractions that highlight achievements of the past 30 years or ideas for future explorations.

How Mathematics and Science Education Programs Are Administered

NASA's National education programs are carried out through NASA Headquarters and the 10 NASA Field Centers. The Headquarters Education Division of the Office of Human Resources and Education oversees education programs and activities at a National level, while the 10 Field Centers administer segments of the National programs, as well as additional regional and local programs. To find the Field Center serving your State, see the State Highlights section of this publication.

Administrative Offices for Mathematics and Science Education

NASA's Education Program is carried out through five primary categories: Teacher Preparation and Enhancement, Student Support, Curriculum Support, Systemic Change, and Education Technology.

Teacher Preparation and Enhancement

NASA facilities, human resources, and programs provide experiences for teachers and college faculty. Focus is on providing access to NASA information in science, mathematics, engineering, and technology and well as enhancing teachers' knowledge and skills in those areas.

Student Support

NASA facilities, human resources, and programs provide information, experiences, and research opportunities for K-12 and undergraduate and graduate students. Focus is on the enhancement of knowledge and skills in the areas of science, mathematics, engineering, and technology.

Curriculum Support

Supplementary instructional materials and curricula in science, mathematics, engineering, and technology are based on NASA's unique mission. Another focus is the development and augmentation of higher education curricula.

Systemic Change

The unique assets of NASA support local, State, regional, and National efforts to enhance the goals of the educational community. Change is accomplished through individual efforts or through collaboration with a range of partners.

Education Technology

NASA products and services facilitate the application of technology to enhance both the formal education process and lifelong learning.

Education Division
NASA Headquarters, Code FE
300 E Street SW
Washington, DC 20546
(202) 358-1110

Elementary and Secondary Branch Office

This office oversees a broad range of programs and services for educators and students at the elementary and secondary levels.

Elementary and Secondary Branch
Education Division
NASA Headquarters, Code FE
300 E Street SW
Washington, DC 20546
(202) 358-1110

Higher Education Branch Office

This office oversees higher education programs and services created for faculty, graduate and undergraduate students, and colleges and universities.

Higher Education Branch
Education Division
NASA Headquarters, Code FEH
Washington, DC 20546-0001
(202) 358-1531

Technology and Evaluation Branch

This branch disseminates educational products and materials for teachers and students of all grade levels through the NASA Centers, the Educator Resource Center Network (ERCN), NASA Television, and NASA Spacelink. ERCN is a NASA space science educational material distribution system that reaches more than 220,000 educators a year. The system is composed of the NASA Central Operation of Resources for Educators (CORE), NASA Educator Resource Centers (ERCs), and NASA Regional Educator Resource Centers (RERCs). Spacelink complements ERCN by using a computer network to distribute text and graphic information, whereas NASA Television transmits NASA news and educational videotapes via satellite. CORE serves all nonprofit educators worldwide by maintaining the current list of ERCs and RERCs nearest the caller.

Technology and Evaluation Branch
Education Division
NASA Headquarters, Code FE
Washington, DC 20546-0001
(202) 358-1518

National Programs for K–12 Education

Aerospace Education Services Program (AESP)

Focusing on the elementary and secondary school levels, AESP uses NASA's mission to enhance the knowledge, skills, and experience of teachers, to capture the interest of students, and to channel that interest into related career paths. Teacher enhancement is NASA's highest priority. NASA-AESP programs use exemplary teaching practices to expose teachers to a curriculum that includes skills, attitudes, connections, and content. High-quality instructional materials and state-of-the-art educational research and technologies are used to highlight both subject content and pedagogical skills. AESP specialists provide educational assemblies and classroom visits in schools participating in teacher workshops, school-sponsored and designed integrated thematic units, and NASA Aerospace Community Involvement Programs.

Education Division
NASA Headquarters, Code FE
300 E Street SW
Washington, DC 20546
(202) 358-1439

Central Operations of Resources for Educators (CORE)

CORE was established for the National and international distribution of NASA educational materials including audiovisuals, laserdiscs, CD-ROMs, and educational software. To receive a catalog and order forms, submit written requests on school letterhead. A nominal fee includes the cost of the materials plus shipping and handling.

NASA CORE
Lorain County Joint Vocational School
15181 Route 58 South
Oberlin, OH 44074
(216) 774-1051, ext. 293/294
E-mail: lorjvs_in1@leeca4.leeca.ohio.gov

Community Involvement Program (CIP)

CIP is a unique, multidimensional service that seeks to involve not just schools, but service clubs, local government officials, and the private sector in a community-wide program that places special emphasis on the educational value of the Nation's aerospace program. CIPs are usually initiated at the request of a school administrator or State education official. Once a community has been selected, NASA officials and educators within the community meet to plan the program and its duration, which can range from one week to one month. Aerospace Education Services Program specialists usually form the core of the program, with additional NASA personnel added as needed.

While no two CIPs are alike, a typical program includes many of the elements of an education specialist's visit in an expanded format; for example, a CIP may include comprehensive inservice workshops, community exhibits, student competitions, workshops, assemblies for both students and the general public, and other public events. CIPs are extremely well received and are in great demand. Unfortunately, due to limited resources and the intensive nature of these programs, NASA conducts no more than four or five CIPs each year. To increase their chances of being chosen, smaller school districts are encouraged to contact other school districts or possibly a State education official to enlarge the geographic area to be served by the proposed program.

Education Division
NASA Headquarters, Code FE
300 E Street SW
Washington, DC 20546
(202) 358-1439

Educational Horizons

The newsletter *Educational Horizons* is NASA's triannual publication for educators. Each issue features information about upcoming Shuttle missions, updates on space science and aeronautics research, and information about NASA's Education Program. The newsletter, which is free by subscription to educators, also announces the latest educational publications available from NASA.

NASA Headquarters, Code FE
Educational Horizons
Washington, DC 20546-0001
(202) 358-1525

MATHCOUNTS

This annual mathematics competition for seventh and eighth grade students brings a number of organizations together in a cooperative effort to promote excellence in mathematics. Competition begins at the local level and culminates in a National contest. NASA sponsors a week-long trip to the U.S. Space Camp for individual and team winners of the National competition; in addition, a three-day mathematics workshop at a NASA Field Center is awarded to the top eight coaches in the National competition.

MATHCOUNTS
1420 King Street
Alexandria, VA 22314
(703) 684-2928

NASA Educational Workshops for Elementary School Teachers (NEWEST)

NEWEST provides a two-week workshop (graduate credit optional) to elementary school teachers (grades K–6) at a NASA Field Center. The teachers participate in seminars conducted by NASA scientists and engineers, learn about current research and projects, and are provided with techniques to assist them in incorporating aerospace-related topics into their curricula. Participants receive a variety of educational materials to take back to their classrooms. The application deadline is mid-February, with selection in mid-April.

National Science Teachers Association
NEWEST Program
1840 Wilson Boulevard
Arlington, VA 22201-3000
(703) 243-7100

NASA Educational Workshops for Math, Science, and Technology Teachers (NEWMAST)

NEWMAST provides mathematics, science, and technology teachers (grades 7–12) a two-week inservice workshop (graduate credit optional) at a NASA Field Center. Participants observe state-of-the-art research and development activities, interact with NASA scientists and engineers, and receive a variety of educational materials to share with their peers and students. The application deadline is mid-February with selection in mid-April.

National Science Teachers Association
NEWMAST Program
1840 Wilson Boulevard
Arlington, VA 22201-3000
(703) 243-7100

NASA Spacelink

This computer information service allows individuals to receive news about current NASA programs, activities, and other space-related information, including historical and astronaut data, lesson plans, classroom activities, and even entire publications. Although primarily intended as a resource for teachers, anyone with a personal computer and a modem can access the network. The Spacelink computer access number is (202) 895-0028. Users need a computer, modem, communications software, and a long distance telephone line to access Spacelink. The service is also available through the Internet, at any of the following addresses:

http://spacelink.msfc.nasa.gov
spacelink.msfc.nasa.gov
192.149.89.61

NASA Spacelink Administrator
Marshall Space Flight Center
Code CL01
NASA Marshall Space Flight Center
Huntsville, AL 35812-001
(205) 961-1225
Spacelink Computer Access: (202) 895-0028

NASA Educator Resource Center Network (ERCN)

Teachers can enhance their existing curricula with information that is generated by NASA programs, technologies, and discoveries. Although NASA educational materials relate primarily to mathematics, science, and technology, they can be valuable supplements for all subjects. NASA Education Division has established ERCN to disseminate materials to elementary educators, secondary educators, and higher education faculty. The materials come in various formats, including laserdiscs, CD-ROMs, videotapes, slides, audiotapes, publications, and teacher guides. Educators may preview or copy NASA materials upon request. ERCN is composed of Educator Resource Centers, Regional Educator Resource Centers, and the NASA Central Operation of Resources for Educators.

NASA Educator Resource Center Network
Education Division
NASA Headquarters, Code FE
Washington, DC 20546-0001
(202) 554-4380

NASA Television

This distribution system for live and taped programs offers the public a front-row seat for launches and missions, as well as informational and educational programming, historical documentaries, and updates on the latest developments in aeronautics and space science. The educational programming is aimed at inspiring students to achieve, especially in science, mathematics, and technology. If a school's cable system carries NASA TV or if a school has access to a satellite dish, the programs may be downlinked and videotaped. Daily and monthly programming schedules for NASA Television are also available via NASA Spacelink. NASA Television is transmitted on Spacenet 2 (a C-band satellite) on transponder 5, channel 9, 69 degrees West longitude, frequency 3880.0 Megahertz, horizontal polarization, audio on 6.8 mHz.

NASA Television
NASA Headquarters, Code P-Z
300 E Street, SW
Washington, DC 20546
(202) 358-3572

NASA . . . On the Cutting Edge

This videoconference series offers teachers and students opportunities for live, interactive dialogue—by telephone and via NASA Spacelink—with NASA scientists. Conferences highlight current NASA research and technology. Participation is free. Register via mail, telephone, or e-mail.

NASA . . . On the Cutting Edge
NASA Teaching from Space Program
Oklahoma State University
308 CITD, Room A
Stillwater, OK 74078-8089
(405) 744-6784 / Fax: (405) 744-6785
E-mail: NasaEduTV@smtpgate.osu.hq.nasa.gov

Science and Engineering Fairs

To stimulate interest in aeronautics and aerospace sciences among secondary school students, NASA participates in the science fairs administered by Science Services. NASA recognizes students with outstanding projects in aeronautics, space sciences, mathematics, space technology, and applications. Participation in NASA's award program must be requested by fair directors, and NASA depends on individual science and engineering fair judges to select recipients of NASA certificates. NASA's own team of judges attend the international fair and select ten students to receive an educational trip, accompanied by their teachers, to a NASA Field Center.

Science Service
1719 N Street NW
Washington, DC 20036
(202) 785-2255

Shuttle Amateur Radio Experiment (SAREX)

With the help of Amateur Radio clubs and ham operators, astronauts on designated shuttle flights make radio contacts while in orbit. The astronauts talk directly with teachers, parents, and communities. The American Radio Relay League, the Radio Amateur Satellite Corporation, and NASA's Education Division sponsor this shuttle experiment. The American Radio Relay League can provide educators with lesson plans and resource materials.

American Radio Relay League (ARRL)
225 Main Street
Newington, CT 06111
(860) 594-0200

Space Science Student Involvement Program (SSIP)

SSIP is an annual program that allows students to compete in diverse areas related to space exploration, including the arts and sciences. Although the program culminates in a National competition, it has been designed to be used within the context of existing curricula. SSIP has five multidimensional program elements within which students may compete: one for grades 3–12, one for grades 3–5, one for grades 6–8, and two for grades 9–12. Public or private school students may apply.

National Science Teachers Association
SSIP Program
1840 Wilson Boulevard
Arlington, VA 22201-3000
(703) 243-7100

Summer High School Apprenticeship Research Program (SHARP) Plus

SHARP Plus is an intensive research-based mentor program that is the residential analogue of the NASA Summer High School Apprenticeship Research Program. SHARP Plus research experiences occur in industry or in laboratories at universities that host participants on their campuses. The objective of the program is to increase underrepresented students' participation and success rates in mathematics and science precollege courses, thereby increasing the pool of underrepresented mathematics, science, and engineering majors in college, and leading to an eventual impact in the workplace. A group of 300 11th and 12th grade students with aptitude and interest in science and engineering participate in this eight-week experience.

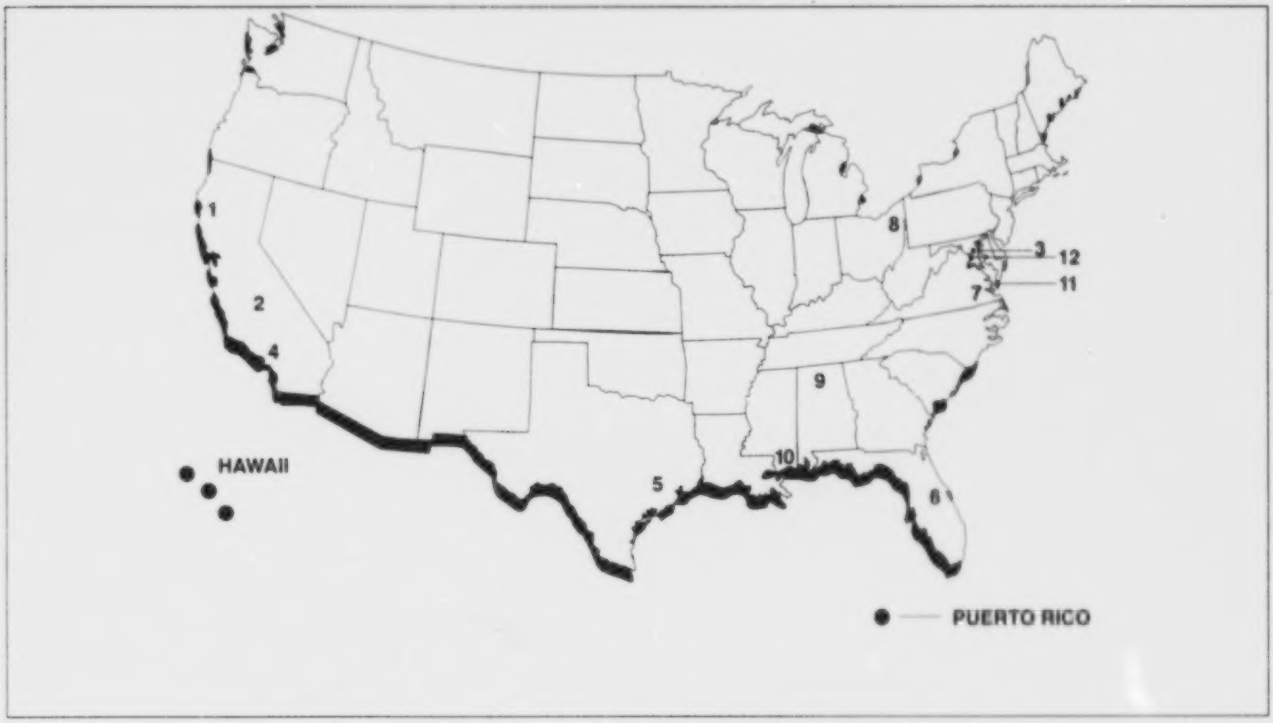
SHARP Plus
Education Division
NASA Headquarters, Code FE
Washington, DC 20546-0001
(202) 358-1631

Urban Community Enrichment Program (UCEP)

UCEP exposes teachers and middle school students from urban communities to interesting and broadening activities. Special emphasis is placed on communication, logic, and reasoning skills. Major activities include lectures, demonstrations, and structured classroom activities highlighting the various sciences that supplement the ongoing curriculum. Workshops and other activities are offered to school personnel. Technical and logistical assistance is supplied by the UCEP Coordinator. In preparation for the program, NASA Aerospace Education Specialists train a team of teachers to conduct interdisciplinary aerospace activities in school districts.

Education Division
NASA Headquarters, Code FE
300 E Street SW
Washington, DC 20546
(202) 358-1439

NASA Headquarters and Field Centers



1. **Ames Research Center, Moffett Field, California**, contributes to the U.S. space program in the areas of space science, life sciences, and space technology.

2. **Dryden Flight Research Facility, Edwards Air Force Base, California**, is the Nation's premier aeronautical flight test facility and the landing site for many Space Shuttle missions.

3. **Goddard Space Flight Center, Greenbelt, Maryland**, is a unique national facility where hundreds of scientists, engineers, and technicians work together to design, develop, fabricate, test, launch, and track spacecraft; operate flight projects; and analyze data.

4. **Jet Propulsion Laboratory, Pasadena, California**, has as its primary focus the scientific study of the solar system and the exploration of the planets with automated spacecraft.

5. **Lyndon B. Johnson Space Center, Houston, Texas**, is the focal point for NASA's manned space flight program. Johnson has been "Mission Control" for all manned space flights since Gemini 4 in 1965.

6. **John F. Kennedy Space Center, Cape Canaveral, Florida**, is the primary launch site for manned and unmanned space vehicles. Situated on a national wildlife refuge, it is the NASA Field Center where rockets and their payloads are inspected, prepared, and launched.

7. **Langley Research Center, Hampton, Virginia**, focuses primarily on aeronautical research. The Center currently devotes two-thirds of its programs to aeronautics and the remainder to space research.

8. **Lewis Research Center, Cleveland, Ohio**, conducts a varied program of research in aeronautics and space technology. Aeronautics research at Lewis includes work on advanced materials and structures for aircraft. Space-related research focuses primarily on power and propulsion.

9. **George C. Marshall Space Flight Center, Huntsville, Alabama**, is the primary propulsion system center for NASA. Its rockets sent the first Americans into space, landed men on the moon, launched Skylab, and lifted the Space Shuttle into orbit.

10. **John C. Stennis Space Center, Mississippi**, is NASA's prime test facility for large liquid propellant rocket engines and propulsion systems. Stennis is also responsible for research programs in environmental sciences and remote sensing of Earth's resources.

11. **Wallops Flight Facility, Virginia**, is a special facility for suborbital research, operated by Goddard Space Flight Center.

12. **NASA Headquarters, Washington, DC**, oversees agency programs.

National Science Foundation (NSF)

Education in science and mathematics involves a chain of links from preschool through K–12, to undergraduate and graduate study, and a parallel chain of informal learning experiences. All the links must be strong. Education must stimulate the interests of all students, indeed of all citizens, so as to ensure that the Nation will have the science and technology workforce—including scientists and engineers—it needs in the years ahead and the scientifically literate citizenry that our democracy will require as we enter the 21st Century. In its education programming, the Foundation reaches out to all—not just to those who may become the scientists and engineers of tomorrow.

Luther S. Williams, Directorate for Education and Human Resources
National Science Foundation

Mission

The National Science Foundation (NSF) was established to promote and advance scientific progress in the United States. The Foundation has a legislative mandate to initiate and support basic science and engineering research, with the dual objective of strengthening research potential and education programs at all levels. While the Foundation itself does not conduct such activities, it sponsors research and education in science and engineering.

Background

NSF is an independent Federal agency, established in 1950. Policy-making authority within the agency is vested in the National Science Board, which is composed of scientists, educators, and public affairs experts. Its 25 members are appointed by the President with the consent of Congress.

NSF provides funding for research and education in the sciences and engineering. However, the Foundation does not support clinical research. Most proposals are initiated by educational institutions and other organizations rather than from individuals. More than one-half of its professional staff are scientists, engineers, and educators in these disciplines—60 percent on temporary assignment as visiting scientists and Inter-Program Assignees. These individuals oversee the disbursement of funds through seven directorates within the Foundation: Biological Sciences; Computer and Information Science and Engineering; Education and Human Resources; Engineering; Geosciences; Mathematical and Physical Sciences; and Social, Behavioral, and Economic Sciences.

Role in Mathematics and Science Education

The National Science Foundation Act of 1950 authorizes and directs the Foundation to initiate and support education programs in virtually all fields of science and engineering, at all educational levels. The agency capitalizes on its unique ability to draw on the expertise of the science and mathematics research and education communities. Each year, NSF submits to Congress an updated five-year strategic plan for science and engineering education. The plan simultaneously addresses short-term objectives that benefit the students currently in the system and long-term goals that result in fundamental changes to the basic delivery of education.

Elementary and Secondary

NSF places a major emphasis on elementary and secondary science, mathematics, and technology education, with the objectives of attracting and sustaining the interest of all students in these fields, as well as improving the quality of instruction for all students. The Foundation is actively involved in the support of reform efforts in science and mathematics curricula that emphasize comprehensive, integrated approaches to teaching and learning. NSF's highest priority in terms of funding currently is the enhancement of teachers' content and pedagogical knowledge in science, mathematics, and technology (especially at the elementary level); implementation of systemic reform at State, urban, and district levels; and implementation of science and mathematics standards for content, teaching, and student performance assessment.

Higher Education

NSF provides leadership and leveraged project support for the Nation's higher educational system of technical colleges, two- and four-year colleges, and comprehensive and research universities. NSF programs seek to engage all undergraduate students in the learning of science and mathematics—those who will be engineers and scientists or skilled technicians in our work-force; teachers of science and mathematics in our schools; leaders of business, the professions, and government; and, in every case, citizens in an increasingly technology-based society.

At the graduate level and beyond, the Foundation's activities concentrate principally in two directions:

- Support for outstanding graduate students to ensure a steady flow of high-ability students through the education and research training systems.
- Support for postdoctorals and young faculty to attract beginning professionals to academic careers and provide them with critical study and research opportunities in their formative years.

Public Understanding of Science

The Foundation supports projects that provide rich and stimulating environments outside of school, where individuals of all ages, interests, and backgrounds can increase their appreciation and understanding of science and mathematics and their applications. Program emphases include establishing creative linkages between formal and informal education and stimulating parental/adult involvement in, and support of, quality science, mathematics, and technology education. These projects involve broadcast, print, and film; museums and science and technology centers; zoological parks, arboreta, and aquaria; and community-based organizations.

How Mathematics and Science Education Programs Are Administered

The Directorate for Education and Human Resources is the primary unit for education programs within NSF, and is funded by Congress through separate appropriation. All NSF research directorates, however, also engage in educational activities related to their disciplinary focus.

Administrative Offices for Mathematics and Science Education

Division of Educational System Reform

This division is an active partner in efforts to significantly improve learning. Focus is on high achievement in challenging science and mathematics by all students and reform of K–12 educational systems to sustain positive change in selected States, cities, and rural areas.

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Division of Elementary, Secondary, and Informal Education (ESIE)

ESIE supports projects that enable all students—PreK–12—to succeed in science, mathematics, and technology and that increase the scientific and technological literacy of students and adults of all ages. Division programs provide the educational foundation for future generations of scientists, engineers, and technologists; for those pursuing post-secondary education in other disciplines; and for those who enter the workforce directly from secondary school. ESIE programs inform citizens about the science, math, and technology issues that impact their lives and promote effective advocacy for high-quality education in these fields.

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Division of Human Resource Development (HRD)

HRD works to increase diversity in the workforce by broadening the participation of persons from underrepresented groups in science, engineering, and mathematics. Working on the precollege to graduate education levels, HRD programs focus on making comprehensive and systemic changes in the education and research training of minorities, women, and persons with disabilities.

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Division of Research, Evaluation, and Communication

This division supports research, statistical studies, and evaluation of science, mathematics, engineering, and technology education in the U.S. In addition, the division prepares a biennial indicators report on all levels of science and mathematics education; supports communication of educational research results; funds projects in advanced educational technology, teaching and learning; and provides analytical and policy support in these critical areas.

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Division of Undergraduate Education

This division serves as the focal point for the NSF's agency-wide effort in undergraduate education. Programs support course and curriculum development, instrumentation and laboratory improvement, undergraduate faculty enhancement, undergraduate preparation of future elementary and secondary science and mathematics teachers, and advanced technological education for the technical workforce.

Norman L. Fortenberry, Director
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National Programs for K–12 Education

Advanced Technological Education (ATE)

The ATE program promotes exemplary improvement in advanced education through support of curriculum development and program improvement. The program targets technicians being educated for the high performance workplace of advanced technologies. Such technicians normally earn an associate degree in engineering or science technology that qualifies them for immediate employment or for transfer to a four-year institution. The program supports National/Regional Centers of Excellence in Advanced Technological Education and projects for the development of instructional materials and curriculum. The program also supports instrumentation and laboratory improvement and provides technical experiences for students and faculty and teacher development. Special projects include conferences and studies to improve understanding of issues in advanced technological education. ATE centers and projects will result in major improvements in advanced technological education, serve as models for other institutions, strengthen student preparation in mathematics and science, and yield educational products for National dissemination. All projects must have a vision for technician education to guide project development. The ATE program is jointly managed by the Division of Undergraduate Education (DUE) and the Division of Elementary, Secondary, and Informal Education (ESIE).

Advanced Technological Education
Directorate for Education and Human Resources
Division of Undergraduate Education
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Collaboratives for Excellence in Teacher Preparation Program

This program supports projects aimed at major changes in the undergraduate preparation of future teachers of elementary and secondary science and mathematics. This includes development of new institutional structures, production of creative materials, courses and curricula for teacher education, and research on factors affecting the recruitment and preparation of teachers. Projects demonstrate leadership by the scientific discipline departments and emphasize a solid foundation in science or mathematics and rigorous attention to effective teacher practices, including the use of advanced instructional technologies. Special interests include multidisciplinary projects and initiatives for recruiting members of underrepresented groups into the teaching profession. The program encourages collaborations among scientists, science educators, teachers, and other educational leaders both in higher education and in school systems. Colleges and universities or consortia with the capacity to prepare significant numbers of highly qualified teachers are eligible to submit proposals. Smaller-scale proposals for teacher education are welcome in the other programs in the Division of Undergraduate Education. These programs support course and curriculum development, undergraduate faculty enhancement activities, and laboratory equipment.

Teacher Preparation Program
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Comprehensive Partnerships for Mathematics and Science Achievement (CPMSA) Program

The CMPSA Program supports comprehensive precollege education reform programs aimed at city school systems. These districts link with institutions of higher education and with community-based and other educational organizations to design and implement a combination of in-school student and teacher enhancement activities and informal education efforts. The goals are to improve student achievement in mathematics and science courses, enhance teacher knowledge and skills, and increase student interest in careers in science, mathematics, and technology.

Comprehensive Partnerships for Mathematics
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Informal Science Education (ISE) Program

ISE activities provide stimulating opportunities for individuals of all ages, interests, and backgrounds to increase their appreciation and understanding of science, mathematics, engineering, and technology. ISE projects take place outside of formal school settings in diverse environments (e.g. museums of all types, community centers, the home) and involve the use of various media (e.g. broadcast film, interactive technology, print). Projects typically are designed to reach large audiences or to have the potential for significant National or regional impact. To broaden its impact, ISE promotes collaborations among organizations that have similar goals, especially when such projects bridge the informal and formal education communities. Such partners combine their resources and expertise to develop effective strategies for reaching target audiences. In cooperation with the Instructional Materials Development Program and the Teacher Enhancement Program, ISE supports projects to increase involvement of parents and care-givers in science, mathematics, and technology education.

Informal Science Education Program
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Instructional Materials Development (IMD) Program

IMD projects create curricula, materials, and student assessments that change classroom instruction, enabling students to acquire a sophisticated understanding of content knowledge, higher-order thinking abilities, and problem-solving skills. The materials incorporate investigative, hands-on science, math, and technology education activities and align with recently developed standards for content, teaching, and assessment. IMD-supported materials promote the success of all students, regardless of background or ability. Another goal is the improvement of student attitudes toward science, mathematics, and technology. Projects range from major revisions of existing materials to the creation of entirely new ones; from development of a few modules at a single instructional level to comprehensive curricula for several school years; from a focus on a single subject to the integration of several disciplines; and from assessments embedded in classroom materials to the creation of assessment items and full programs that can be used by districts and States. All projects include comprehensive National dissemination plans to ensure wide use of the materials in diverse settings. In cooperation with the Teacher Enhancement Program, IMD supports implementation sites to assist districts in the selection and classroom implementation of curricula. In cooperation with the Informal Science Education Program and Teacher Enhancement, IMD also supports projects to increase the involvement of parents and caregivers in science, math, and technology education.

Instructional Materials Development
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Presidential Awards for Excellence in Science and Mathematics Teaching (PAEMST) Program

The NSF operates the PAEMST Program on behalf of the White House. PAEMST recognizes career excellence for teachers at both elementary and secondary grade levels. Awards are made in each State and four jurisdictions (Washington, DC, Puerto Rico, The Department of Defense Dependent Schools and U. S. Territories [American Samoa, Guam, The Commonwealth of the Northern Marianas, and the Virgin Islands]) taken as a group. Teachers submit applications to State or jurisdiction selection committees which, in turn, select three candidates from each of the four disciplinary/grade-level award groups. These nominees are then forwarded to a National selection committee comprised of prominent scientists, mathematicians, educators, and past awardees. This committee recommends four finalists (one from each of the four disciplinary/grade-level categories) from each State and eligible jurisdiction. PAEMST teachers constitute a National network of outstanding leaders in science and mathematics education and are a rich resource for the improvement of science and mathematics education throughout the Nation.

Dr. Janice Earl
Presidential Awards for Excellence in Science
and Mathematics Teaching
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Programs for Persons with Disabilities

These programs are committed to helping students with disabilities participate fully in science, mathematics, engineering, and technology education and to promoting career opportunities in these disciplines for qualified people with disabilities. The programs support projects designed to change the present academic and professional climates that produce barriers to these goals. Activities include developing innovative methods of teaching science and mathematics to all students including those with disabilities and increasing the awareness and recognition of the capabilities and needs of students with disabilities among education professionals and the general public. The programs also provide mentoring resources for students with disabilities and promote the accessibility and appropriateness of instructional materials, media, and educational technologies.

Programs for Persons with Disabilities
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Programs for Women and Girls

These programs aim to elicit projects with a high potential for increasing the representation of women in science, engineering, and mathematics careers and for improving the overall science, engineering, and mathematics education of women and girls. The initiative addresses educational issues from preschool through the graduate level, as well as professional issues. Two programs—Implementation and Development Projects and Information Dissemination Activities for Women and Girls—accomplish these goals.

Programs for Women and Girls
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Rural Systemic Initiatives (RSI) Program

The RSI Program is an NSF effort to address barriers to systemic and sustainable improvements in science, mathematics, and technology education in rural, economically disadvantaged regions of the Nation. The RSI is designed to fund projects in regions defined by similarities in social, cultural, and economic circumstances, rather than by governmental boundaries. The Program supports activities that lead to formation of partnerships and coalitions as well as determination of present needs and resources and future educational goals. The RSI also supports strategies directed toward systemic educational reform, such as professional development for teachers and administrators that is aligned with National science and mathematics standards. Other goals include adaptation of high quality, challenging curricula to address cultural diversity and formulation of appropriate assessment strategies that can measure achievement in all students, regardless of socioeconomic status.

Rural Systemic Initiatives
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Statewide Systemic Initiatives (SSI) Program

The SSI Program is a major NSF effort to encourage improvements in science, mathematics, and engineering education through comprehensive systemic changes in the education systems for the States. The program represents a strategy to strengthen the infrastructure for science and mathematics education through alignment of State policies and resources. This requires the collaboration of educators at all levels, business and industry, parents, and the community at large. States were selected for funding through a rigorous merit review process that included preliminary proposals, panel reviews of full proposals, and site visits. Selection was based on:

- State commitment to fundamental reform of mathematics and science education;
- new directions in State vision for mathematics and science education that includes curriculum goals, assessment, teacher development, equity, governance, and improved outcomes;
- consensus on the current status of science and mathematics education and on the identification of the most serious problems that need to be addressed;
- partnerships that enable the effort to succeed;
- a plan for effective management and oversight;
- an evaluation plan that encourages mid-course corrections.

Twenty-five States and Puerto Rico received five-year awards. Two States have recently received additional five-year awards, while four completed their five-year awards. Four States have been phased out prior to completing five years of funding.

Statewide Systemic Initiatives
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Teacher Enhancement (TE) Program

TE projects provide professional development opportunities to broaden and deepen the disciplinary and pedagogical knowledge of teachers, improving their ability to deliver rich and challenging science, mathematics, and technology (SMT) education to all students. Through active involvement of administrators, projects develop school cultures that provide requisite resources to implement classroom improvements and sustain professional development opportunities. TE supports projects that:

- develop teachers who become leaders in content and pedagogy;
- engage teachers and students in meaningful research experiences that can be translated back to classrooms;
- provide cost-effective replication of effective projects;
- create professional development materials;
- provide innovative applications of educational technologies in networking underserved populations and giving them cost-effective access to quality SMT resources and inservice training.

Emphasis is placed on projects that focus on the professional development of teachers as the primary drivers for implementing SMT education reform in entire school districts. In cooperation with the Instructional Materials Development (IMD) Program, TE will support implementation sites to assist districts in selecting and implementing NSF-supported curricula; in cooperation with the Informal Science Education Program (ISE) and IMD, TE also will support projects to increase involvement of parents and caregivers in SMT education.

Teacher Enhancement Program
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Urban Systemic Initiatives (USI) Program

The USI Program in science, mathematics, and technology education is a comprehensive and systemic effort designed to enable fundamental reform of K–12 science and mathematics education in large urban school systems. Eligibility for the program is limited to school systems in the 25 cities having the largest numbers of school-aged children (ages 5–17) living in poverty as determined by the 1990 Census. Built upon experience gained from the Statewide Systemic Initiatives program and the Comprehensive Regional Centers for Minorities, USI provides significant support for five years to cities that have completed comprehensive planning and demonstrated readiness to make systemic and sustainable changes in the policies, practices, and procedures of urban school systems. At present, 16 of the eligible cities have received awards.

Urban Systemic Initiatives
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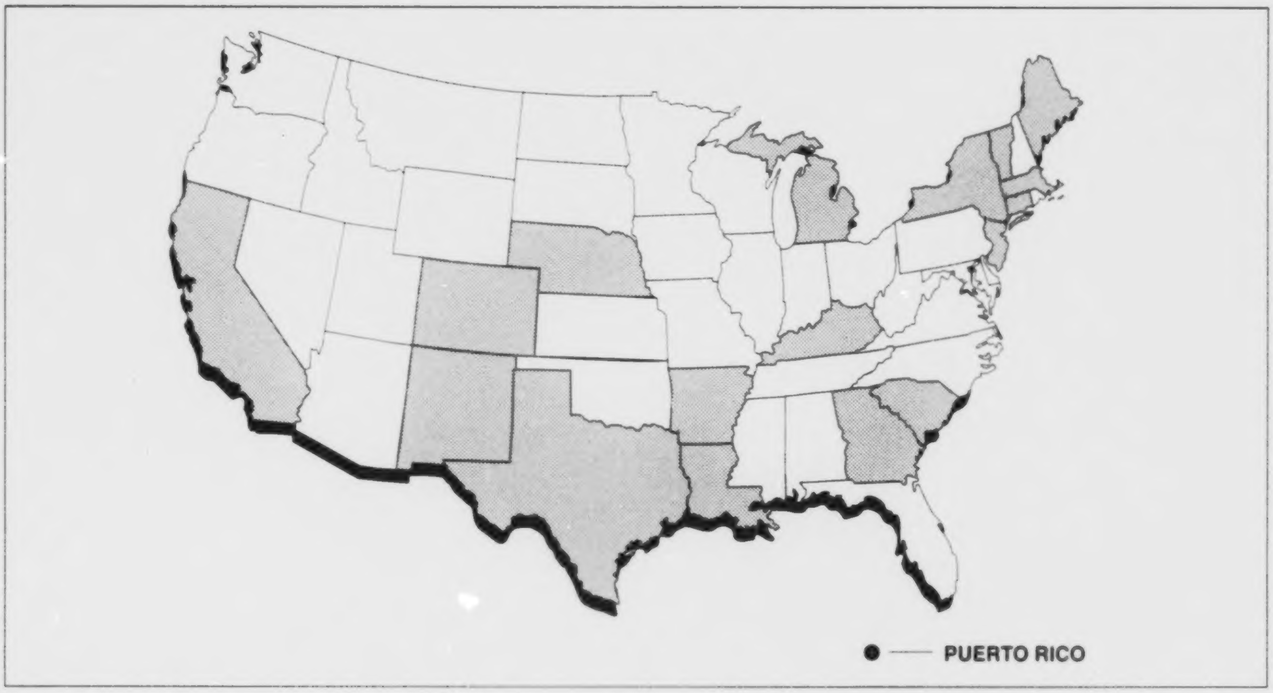
National Science Foundation

Statewide Systemic Initiatives



The National Science Foundation established the Statewide Systemic Initiatives (SSI) Program to encourage improvement in mathematics, science, engineering, and technology education through comprehensive systemic changes in State education systems. Currently, 17 States and 1 Territory, designated on the map, have been awarded competitive grants from this program. For more information about individual State initiatives, see the State Highlights section of this publication.

State Systemic Initiatives Grant Recipients

Arkansas
California
Colorado
Connecticut
Georgia
Kentucky
Louisiana
Maine
Massachusetts
Michigan
Nebraska
New Jersey
New Mexico
New York
Puerto Rico
South Carolina
Texas
Vermont

Smithsonian Institution

> *Much of what the United States has achieved in the 20th century is due to its commitment to scientific inquiry and technological development. But our take-off was grounded in the preparation in science and mathematics of earlier generations of Americans. That intellectual capital is nearly spent. It is time to replenish it through investment in the education of new generations.*
>
> **I. Michael Heyman, Secretary**
> **Smithsonian Institution**

Mission

Established to increase and diffuse knowledge, the Smithsonian Institution is a trust instrumentality of the Federal Government. While the Institution receives Federal support for its operation, it has no government or regulatory functions and serves, in effect, as an independent agency.

Background

The Smithsonian Institution was founded in 1846. Although it is best known for its 14 museums and the National Zoo, the Smithsonian is also one of the country's premier research facilities. In addition to its Federally funded programs, the Institution has many privately funded activities.

Role in Mathematics and Science Education

As part of its mandate to increase and diffuse knowledge, the Smithsonian Institution considers science education to be one of its most important missions.

Elementary and Secondary Education

In recent years, the Institution has focused on assisting school systems in addressing the National crisis in science and mathematics education. Three areas receiving particular attention, both in the museums and in other Smithsonian bureaus, have been professional education for teachers, curriculum materials for schools, and programs to effect attitudinal changes about science.

Higher Education

Through internships and fellowships, the Institution provides individualized training in science for undergraduate and graduate students. Smithsonian programs in astrophysics and biology are especially outstanding.

Public Understanding of Science

Through educational outreach programs, the Smithsonian Institution can improve science literacy among the general public. Special exhibits, onsite demonstrations, and publications inform and educate visitors.

How Mathematics and Science Education Programs Are Administered

Each administrative division within the Smithsonian is responsible for its own education programs, and each museum has an education office that reports to the museum director. The Institution's Office of Elementary and Secondary Education is the central office for precollege education.

Administrative Offices for Mathematics and Science Education

Harvard-Smithsonian Center for Astrophysics

The Smithsonian Astrophysical Observatory coordinates its varied scientific programs with the Harvard College Observatory, and together the two observatories form the Harvard-Smithsonian Center for Astrophysics in Cambridge, Massachusetts. The Science Education Department at the Center currently manages eight projects funded by the National Science Foundation (NSF) or the Annenberg Foundation, with additional support from the Smithsonian Institution. These projects use advanced technology, curricula and materials, teacher enhancement, and teacher networks to address the needs of teachers and students in elementary, secondary, and college science education.

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National Air and Space Museum

This museum serves as a major educational center that the public can easily access to learn about the history and development of aeronautics, Earth and planetary sciences, astronomy, astrophysics, and related areas of the arts, humanities, and sciences. Particular emphasis is given to the social implications of the Museum's collections and research on the quality of life for humankind.

Maureen Kerr, Assistant Director for
  Education
Educational Services Department, MRC 305
National Air and Space Museum
Washington, DC 20560
(202) 786-2524 / Fax: (202) 633-8174

National Museum of Natural History/Museum of Man

This museum houses the world's largest and most valuable assemblage of natural history specimens and human artifacts. It is the largest research organization in the Smithsonian and has a large internship program at the college level. Through its many exhibits, educational programs, and scholarly and popular publications, the Museum disseminates knowledge about the world's natural and cultural diversity.

Laura McKie, Assistant Director for Education
National Museum of Natural History
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  MRC 158
Washington, DC 20560
(202) 357-2066 / Fax: (202) 786-2778

National Science Resources Center

Operated jointly by the Smithsonian Institution and the National Academy of Sciences, the National Science Resources Center works to improve the teaching of science in the Nation's schools. The Center's three principal program areas are National outreach to build consensus, dissemination of information, and development of innovative science curriculum materials.

Douglas Lapp, Executive Director
National Science Resources Center
MRC 403
Smithsonian Institution
Washington, DC 20560
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National Zoological Park

The Park maintains a living collection at the Zoo and a major conservation, animal breeding, and research facility in Virginia. Through programs in education, research, conservation, and animal health, the Park promotes understanding of animal adaptations and evolution, and the interaction of wildlife with the environment and human culture. Through a series of new exhibits, programs, and graphics, the Zoo is being transformed into a biological preserve to educate the public about life in all of its forms and connections.

David Jenkins, Associate Director for
Interpretive Programs
National Zoo / Education Department
3001 Connecticut Avenue NW
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Office of Elementary and Secondary Education

Drawing on the collections, exhibitions, and research of the Institution's many museums and research institutes, this office brings focus and synergy to the educational work of the Smithsonian as a whole. Priorities center on building an Institution-wide publishing and information program, strengthening and coordinating the Institution's professional development programs for teachers, promoting excellence in Smithsonian educational activities through leadership and support services, and providing resources for the infusion of multicultural perspectives into Smithsonian educational programs and policies.

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Smithsonian Environmental Research Center

The Center conducts long-term scientific research on estuarine land and water ecosystems found in the Chesapeake Bay watershed. The results of its research are disseminated through scientific journals, National and international meetings and seminars, the training of scientists, and public education activities for adults, families, and K–12 students.

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haddon@aol.com

Smithsonian Tropical Research Institute

This institute conducts basic research on the ecology, behavior, and evolution of tropical organisms. Headquartered in Panama, the Institute carries out research throughout the tropics and is the custodian of the Barro Colorado Nature Monument, a 12,000 acre tropical nature preserve located along the Panama Canal. Other facilities include a cloud-forest station, a research vessel, marine laboratories on the Atlantic and Pacific Oceans, and a research library.

Georgina DeAlba
Smithsonian Tropical Research Institute
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National Programs for K–12 Education

Electronic Outreach

The Internet gives teachers immediate access to electronic versions of Smithsonian educational publications and to information about programs targeted to educators. To reach the broadest audience possible, the Smithsonian's electronic services are disseminated over an ftp server, the World Wide Web, and America Online.

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WWW: http://educate.si.edu/

National Science Resources Center's (NSRC) Resource Collection

The NSRC maintains a comprehensive and growing collection of effective science teaching resource materials. Housed at the Arts and Industries Building of the Smithsonian Institution, the collection holds more than 5,000 volumes. It is cataloged and accessible through computerized databases that include annotations as well as bibliographic data. The Resources Center has also produced an annotated guide to elementary science resources, *Resources for Teaching Elementary School Science* (National Academy Press, Washington, DC). A companion volume for middle schools, *Resources for Teaching Middle School Science*, is under development.

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NSRC Elementary Science Leadership Institutes

These Institutes, conducted at the Institution twice each summer, provide teams of administrators, curriculum specialists, teachers, and scientists from school districts across the country with the information and skills they need to develop and maintain effective hands-on elementary science programs. The Institutes are staffed by science educators and scientists who have implemented exemplary elementary science programs in their districts. This initiative includes technical assistance to school districts across the country that are working to reform their elementary science programs.

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The Private Universe Project

This project is developing a six-part Nationally broadcast television series to help science teachers address student preconceptions in science. Funded in 1992, the project focuses on grades K–12 The series is derived from work pioneered in Project STAR: Science Teaching through its Astronomical Roots, and is an extension of that project's award-winning video, *A Private Universe*. The project will alert science teachers to problems posed by their students' preconceived ideas and will encourage them to devise solutions tailored to students' specific needs.

Nancy Finkelstein
60 Garden Street, Mail Stop 71
Cambridge, MA 02138
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Professional Development Opportunities for Teachers

Regional workshops and summer institutes are designed to strengthen ties between museums and schools nationwide and to contribute to the improvement of teaching methods and materials. Summer courses for teachers in the Washington, DC, area focus on using the Smithsonian as a resource for teaching and learning.

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Project SPICA: Support Program for Instructional Competency in Astronomy

Project SPICA provides astronomy education support to precollege teachers, particularly in grades K–9. The project has prepared some 180 expert teachers in 41 States to provide workshops to other teachers who want to enhance their use of astronomy in their classrooms. SPICA agents may be contacted through the project office. In addition, a manual containing 37 astronomy activities for grades 2–12, *Project SPICA: A Teacher Resource to Enhance Astronomy Education*, is available from Kendall/Hunt Publishing Company.

Judith Peritz
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Publications for Teachers

This publications effort brings a broad range of Smithsonian resources into the Nation's classrooms and school libraries. Informational publications direct teachers to diverse Smithsonian resources and help educators plan museum visits. Curricular publications complement specific curriculum areas as articulated in the National education standards; each package contains background information and extensive activities.

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State Highlights by Region

MATHEMATICS AND SCIENCE

- Kentucky
- Tennessee
- Virginia
- West Virginia

Appalachia Region

Eisenhower Regional Math/Science Consortium at AEL

Eisenhower Regional Math/Science Consortium at AEL

The Eisenhower Regional Math/Science Consortium at AEL (Appalachia Educational Laboratory) promotes and supports systemic reform in mathematics and science education in Kentucky, Tennessee, Virginia, and West Virginia. The Consortium builds on existing resources and creates partnerships that cut across State boundaries to link public schools, private schools, State and local education agencies, business and industry, science museums, and higher education institutions. Funded by the Eisenhower National Program for Mathematics and Science Education, the Consortium is one in a National network of 10 Consortia located across the country. The network also includes the Eisenhower National Clearinghouse (ENC) at The Ohio State University.

The Consortium's support for systemic reform in mathematics and science education includes teams of trainers in each State who are providing free onsite training designed to help align classroom instruction with National standards and State-specific curriculum frameworks.

By working closely with the Region's mathematics and science educators, the Consortium's full range of services can be tailored to State initiatives. A regional board and four State steering committees help align Consortium activities with local needs and with needs common across the Region.

The Consortium provides:

- **Information** on mathematics and science education reform, exemplary practices, standards-based activities, and the Eisenhower National Clearinghouse for Mathematics and Science Education.
- **Professional development** for K–12 teachers on the National education standards in mathematics and science, State curriculum frameworks, and instructional technology.
- **Assistance** to State departments of education in developing standards-based curriculum frameworks.
- **Opportunities** for networking and collaboration for mathematics and science education stakeholders in the four-State region.
- **Technical assistance** and instructional materials to schools through projects and programs recommended by State steering committees and State departments of education.
- **Connections** to the National Science Foundation's Appalachian Rural Systemic Initiative, operating in 66 counties across six States.

An Equity Minigrant Program sponsored by the Consortium helps classroom teachers increase opportunities for all students in the Region to attain a higher level of mathematics and science education. Grants of up to $750 are available each year for projects designed to increase access to mathematics and science for students from traditionally underrepresented groups, including women, students with learning disabilities, students from rural areas, students from racial/ethnic/cultural minorities, students with physical disabilities, and students at risk for academic failure.

Equity minigrants can be used for various projects. For example, teachers might want to purchase materials to enhance the curriculum, bring scientists and mathematicians from traditionally underrepresented groups into classrooms to develop linkages or mentoring programs for students, provide research experiences for students from traditionally underrepresented groups, or develop school-based programs geared to increasing traditionally underserved students' interest and skills in science and mathematics.

The Consortium provides information on professional development opportunities at school sites; a newsletter entitled *Charmed Particles*; copies of EDTALK's *What We Know About Mathematics Teaching and Learning* and *What We Know About Science Teaching and Learning*; a proposal-writing guide entitled *Increasing Student Access to Mathematics and Science: A Guide for Classroom Equity Projects*; a set of classroom lessons entitled *Scope It Out: Standards-Based Microscope Lessons for the Middle School*; and catalogs of Appalachia Educational Laboratory products.

Dr. Pamela K. Buckley,
Director

Janis Augustine,
Projects Coordinator

Kim Suiter,
Secretary

Eisenhower Regional Math/Science
Consortium at AEL
1700 North Moore Street, Suite 1275
Arlington, VA 22209
(800) 624-9120
E-mail: aelinfo@ael.org
WWW: http://www.ael.org/eisen

Kentucky

Department of Agriculture (USDA)

4-H State Leader

The State 4-H Youth Development Programs are administered by the Cooperative Extension Service at land-grant universities. State 4-H leaders coordinate outreach services and training to all county offices.

Dr. Sylvester C. Umscheld, Assistant
Extension Director for 4-H
University of Kentucky
209 Scovell Hall
Lexington, KY 40546-0064
(606) 257-5605 / Fax: (606) 257-7180

Ag in the Classroom State Leader

This program promotes increased understanding of agriculture and possible careers in the agricultural sciences. With National leadership provided by USDA, each State manages its own programs, with assistance from agribusiness, educational institutions, and government.

Faye Lowe
Kentucky Farm Bureau
9201 Bunsen Parkway
Louisville, KY 40250-0700
(502) 495-5000 / Fax: (502) 853-4114

Rayetta Boone
Department of Agriculture
500 Mero Street, Seventh Floor
Frankfort, KY 40602
(502) 564-4696 / Fax: (502) 564-6527

▶Department of Education (ED)

Appalachia Educational Laboratory, Inc. (AEL)

AEL identifies effective teaching techniques and school improvement efforts within the region and shares this information with State and local educators.

Terry L. Eidell, Executive Director
Appalachia Educational Laboratory, Inc.
PO Box 1348, 1031 Quarrier Street
Charleston, WV 25325
(304) 347-0400 / Fax: (304) 347-0489
(800) 344-6646 (inside WV)
(800) 624-9120 (outside WV)

Eisenhower Regional Math/Science Consortium at AEL

The Eisenhower Regional Consortium provides information and technical assistance to help States and school districts improve mathematics and science education.

Pam Buckley, Director
Eisenhower Math/Science Consortium at AEL
1700 North Moore Street, Suite 1275
Arlington, VA 22209
(800) 624-9120
E-mail: buckley@ael.org
WWW: http://www.ael.org/eisen

Eisenhower State Coordinators

Eisenhower State Coordinators administer the Eisenhower Professional Development Program State Formula grants. The program focuses on sustained and intensive high-quality professional development through inservice programs.

John C. Drake
Eisenhower Professional Development Program
Kentucky Department of Education
Capitol Plaza Tower, 17th Floor
Frankfort, KY 40601
(502) 564-3791 / Fax: (502) 564-6721

Eisenhower State Coordinators for Higher Education

Eisenhower State Coordinators oversee the Eisenhower Professional Development State Formula Grants for the State Agency for Higher Education (SAHE). The program focuses on teacher enhancement through both inservice and preservice programs.

Wendell Cave
Eisenhower Professional Development Program
Kentucky Council on Higher Education
1024 Capitol Center Drive, Suite 320
Frankfort, KY 40601-8204
(502) 573-1555 / Fax: (502) 573-1535

Southeast and Islands Regional Technology in Education Consortium (SEIR*TEC)

ED established the Regional Technology in Education Consortia (R*TEC) program in the fall of 1995 to help States, districts, schools, adult literacy centers, and other educational institutions use advanced technology to support improved teaching and student achievement. R*TEC's role in educational technology is unique in two ways: the emphasis is regional and the primary goal is to ensure that technology is used effectively to support school reform. Program strategies include professional development, technical assistance, and information dissemination.

Don Holznagel, Director
SEIR*TEC
41 Marietta Street NW, Suite 1000
Atlanta, GA 30303
(800) 659-3204
(404) 893-0100 / Fax: (404) 577-7812
E-mail: dholznag@serve.org
WWW: http://www.serve.org/seir-tec/

Deborah Williams, R*TEC Project Officer
U.S. Department of Education
Office of Educational Research and Improvement
ORAD/SLSD, Room 504f
555 New Jersey Avenue NW
Washington, DC 20208-5644
(202) 219-2204
E-mail: Deborah_Williams@ed.gov

▶Department of Energy (DOE)

Appalachian Regional Commission (ARC) and Oak Ridge National Laboratory (ORNL)

A summer science, mathematics, and technology Teacher Leadership Institute is available for secondary teachers to participate in research-based programs at ORNL. The institute is provided in a two-week summer residential format patterned after the ORNL/National Science Foundation (NSF) National Teacher Enhancement Project and Leadership Institute. Participants are selected by the ARC from secondary schools throughout the ARC region. The focus is on "hands-on" laboratory research applying the tools and methods used in ongoing ORNL projects in research areas (as appropriate for each teacher's teaching assignment), pedagogy, and leadership. The program will feature telecommunications instruction at the ORNL Regional Science Center and telecommunications will be the primary method used for academic year follow-up and continued interactions with the teachers. Participants in the Teacher Leadership Institute will be hosted by several ORNL research divisions based on each teacher's background and interests. A program coordinator with experience in teacher preparation/higher education delivers instruction in pedagogy and educational leadership.

ARC and ORNL also collaborate on a summer science, mathematics, and technology Summer Science Honors Academy for ARC students to participate in research-based programs at ORNL. Student participants (seniors or graduating seniors) will be selected by the ARC from secondary schools throughout the ARC region. Students will be teamed with research mentors to participate in hands-on laboratory research applying the tools and methods used in ongoing ORNL projects. Students will also receive telecommunications instruction at the ORNL Regional Science Center.

Terry L. Lashley, Education Partnerships Team Leader
Oak Ridge National Laboratory
Office of University and Science Education
PO Box 2008
5500A, MS 6366
Oak Ridge, TN 37831-6366
(423) 574-0689 / Fax:(423) 241-6726
E-mail: TL7@ornl.gov

▶Department of the Interior (DOI)

Bureau of Land Management Eastern States Office

This office provides information about educational programs, materials, and local land-management issues.

Education Coordinator
Bureau of Land Management
7450 Boston Boulevard
Springfield, VA 22153
(703) 440-1713

Cumberland Gap National Historic Park

In Biodiversity: It Makes a World of Difference, the importance of biodiversity and a healthy environment are discussed. Students are also introduced to ecological concepts.

Carol Borneman, Supervisory Park Ranger
Cumberland Gap National Historic Park
PO Box 1848
Middlesboro, KY 40965-1848
(606) 248-2817 / Fax: (606) 248-7276

Mammoth Cave National Park

Mammoth Cave National Park offers surface and cave activities that focus on geology and natural history, as well as teacher guides, pre-visit materials, and guided tours. In the Environmental Education program, primary students are introduced to the importance and value of National parks. Intermediate and middle school students learn how the unique karst topography of the Mammoth Cave area affects the surface and subsurface of the area in which they live. Subjects such as biology, archaeology, and history can be connected to class curriculum when investigating the park. One-day teacher workshops are offered several times a year and pre- and post-site visits are encouraged when staff is available.

Sharon Ganci, Education Coordinator
Mammoth Cave National Park
Mammoth Cave, KY 42259
(502) 758-2354 / Fax: (502) 758-2349

Project WILD

Project WILD offers teacher training and educational materials. Teacher guides, free to teachers who attend the training session, contain more than 80 supplementary, interdisciplinary activities for grades K–12.

Laura Lang, Project WILD Coordinator
Kentucky Department of Fish and Wildlife
Resources, D.N.R.
#1 Game Farm Road
Frankfort, KY 40601
(502) 564-4762 / Fax: (502) 564-6508

▶Department of Labor (DOL)

Job Training Partnership Act (JTPA) Liaison

The JTPA Liaison can provide information about the Job Training Partnership Act State and local programs for economically disadvantaged adults and youth.

Margaret Whittet, Commissioner
Department of Employment Services
Kentucky Cabinet for Human Resources
275 East Main Street, Two–West
Frankfort, KY 40621
(502) 564-5331 / Fax: (502) 564-7452

▶Department of Transportation (DOT)

Federal Aviation Administration (FAA) Aviation Education

The FAA Aviation Education Representative coordinates aviation education services, including materials and programs for the FAA in the States assigned to the region.

Programs include the following:

- **The Aviation Career Education (ACE) Academy** is a one-week summer aviation education program for high school students sponsored by the FAA along with a host educational institution. The program provides students with diverse experiences in aviation career exploration. The focus is on aviation career clusters identified by FAA, with an emphasis on opportunities for women and minorities. A goal is to have one program in each State and U.S. Territory. The FAA will conduct regional leadership workshops and provide funds based on the availability of resources.
- **Aviation Education Workshops for Teachers** provide teachers with information on FAA aviation programs and materials and prepare them to teach aviation in the classroom. Annual workshops are conducted at colleges and universities across the Nation. The FAA provides information, materials, and speakers for the program.
- **National Congress on Aviation and Space Education** is sponsored annually by the FAA in partnership with the National Aeronautics and Space Administration and the Civil Air Patrol. The meeting includes teacher workshops and crosstalk sessions to exchange ideas on promoting aerospace education.

George Burnette, ASO-17B.1, FAA Aviation
Education Representative
1701 Columbia Avenue
College Park, GA 30337
(404) 305-5350 / Fax: (404) 305-5312

FAA Aviation Education Resource Centers

Located at colleges, museums, and State aviation authority offices, these centers function as information distribution centers for Federal Aviation Administration education materials and resources. The Resource Centers maintain and provide quantities of printed materials, videotapes, and computer educational software. Center personnel can also provide general information, conduct workshops, and make aviation-related presentations.

Michael Rowland
Shawnee Aviation High School
4018 West Market Street
Louisville, KY 40212
(502) 473-8689

▶Environmental Protection Agency (EPA)

EPA Regional Office

This office takes part in a variety of environmental education programs for both teachers and students. Programs range from teacher workshops and student contests to in-school presentations. Information on environmental issues is also available through the Public Information Center located at the office.

Rich Nawyn, Environmental Education
Coordinator
Environmental Protection Agency
100 Alabama Street, SW
Atlanta, GA 30303
(404) 562-8320 / Fax: (404) 562-8335

The President's Environmental Youth Awards (PEYA) Program

Young people from each State are invited to participate in PEYA, a nationwide program designed to encourage individuals, school classes, summer camps, public interest groups, and youth organizations to promote environmental awareness and community involvement. The two components of the program are the regional certificate program and the National awards competition. Regional certificates, signed by the President, are awarded to each participant by EPA regional offices. National individual project winners, or one representative from a National award-winning group project, along with one sponsor, are honored at EPA headquarters, Washington, DC. Interested K–12 individuals or groups may obtain application materials and contest rules by contacting the EPA Regional Office that serves their State. PEYA has been an ongoing project since it was created by the White House Office of Education and the EPA in 1971.

EPA Region 4
100 Alabama Street, SW
Atlanta, GA 30303
(404) 562-8314 / Fax: (404) 562-8335

▶National Aeronautics and Space Administration (NASA)

NASA Educator Resource Center

The center has NASA-related educational materials in various formats, including laserdiscs, CD-ROMs, videotapes, slides, audiotapes, publications, and teacher guides. Educators may preview or copy NASA materials upon request.

Virginia Air and Space Center
NASA Educator Resource Center
600 Settler's Landing Road
Hampton, VA 23669-4033
(804) 727-0900, ext. 757

NASA Field Centers

Each field center has an educational programs officer who is responsible for precollege education programs. In addition to administering National programs, the center offers programs and services to meet regional and local needs.

Marchelle Canright, Center Education
Program Officer
NASA Langley Research Center
Mail Stop 400
Hampton, VA 23681-0001
(804) 864-3313

NASA Regional Educator Resource Center (RERC)

To offer more educators the opportunity to visit the Educator Resource Center Network (ERCN), NASA forms partnerships with planetariums, universities, museums, and other nonprofit organizations to serve as RERCs. Teachers may preview or copy NASA materials upon request.

Murray State University
NASA Regional Educator Resource Center
Waterfield Library
Murray, KY 42071-0009
(502) 762-2850

Space Grant Consortium

The Space Grant Consortium in each State consists of colleges, universities, industry, and other organizations that have an interest in aeronautics and space education. Each consortium receives NASA funds for use in implementing a balanced program of research, education, and public service.

Kentucky Space Grant Consortium
Western Kentucky University
Department of Physics and Astronomy
Bowling Green, KY 42101-3576
(502) 745-4156

▶National Science Foundation (NSF)

Statewide Systemic Initiatives (SSI) Program

Kentucky's SSI Program works in conjunction with the Department of Education and the Kentucky Science and Technology Council, Inc., to help students acquire conceptual knowledge, process and thinking skills, and scientific habits. Another major goal is to increase the number of students who enter science- and technology-related careers.

Joanne Lang, PRISM Project Director
Kentucky Science and Technology
Council, Inc.
PO Box 1049
Lexington, KY 40588-1049
(606) 233-3502 / Fax: (606) 259-0986

Tennessee

▶Department of Agriculture (USDA)

4-H State Leader

The State 4-H Youth Development Programs are administered by the Cooperative Extension Service at land-grant universities. State 4-H leaders coordinate outreach services and training to all county offices.

Ben T. Powell, Professor and 4-H Club
Leader
University of Tennessee
4-H Club Department
PO Box 1071
Knoxville, TN 37901-1071
(423) 974-7434 / Fax: (423) 974-7448
E-mail: pa90628@utkum1.utk.edu

Ag in the Classroom State Leader

This program promotes increased understanding of agriculture and possible careers in the agricultural sciences. With National leadership provided by USDA, each State manages its own programs, with assistance from agribusiness, educational institutions, and government.

Charles Curtis
Tennessee Farm Bureau
PO Box 313
Columbia, TN 38402-0313
(615) 388-7872 / Fax: (615) 388-5818

▶Department of Education (ED)

Appalachia Educational Laboratory, Inc. (AEL)

The Regional Educational Laboratory identifies effective teaching techniques and school improvement efforts within the region and shares this information with State and local educators.

Terry L. Eidell, Executive Director
Appalachia Educational Laboratory, Inc.
PO Box 1348, 1031 Quarrier Street
Charleston, WV 25325
(304) 347-0400 / Fax: (304) 347-0489
(800) 344-6646 (inside WV)
(800) 624-9120 (outside WV)

Eisenhower Regional Math/Science Consortium at AEL

The Eisenhower Regional Consortium provides information and technical assistance to help States and school districts improve mathematics and science education.

Pam Buckley, Director
Eisenhower Math/Science Consortium at
AEL
1700 North Moore Street, Suite 1275
Arlington, VA 22209
(800) 624-9120
E-mail: buckley@ael.org
WWW: http://www.ael.org/eisen

Eisenhower State Coordinators

Eisenhower State Coordinators administer the Eisenhower Professional Development Program State Formula grants. The program focuses on sustained and intensive high-quality professional development through inservice programs.

Barbara Adkisson, Director, Developmental
Programs
Eisenhower Professional Development
Program
Tennessee Department of Education
Gateway Plaza, 8th Floor
710 James Robertson Parkway
Nashville, TN 37243-0379
(615) 532-6247 / Fax: (615) 532-8536

Eisenhower State Coordinators for Higher Education

Eisenhower State Coordinators oversee the Eisenhower Professional Development State Formula Grants for the State Agency for Higher Education (SAHE). The program focuses on teacher enhancement through both inservice and preservice programs.

David Ewing, Director
Legal and Educational Services
Eisenhower Professional Development Program
Tennessee Higher Education Commission
404 James Robertson Parkway, Suite 1900
Nashville, TN 37243-0830
(615) 532-8017

Southeast and Islands Regional Technology in Education Consortium (SEIR*TEC)

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Don Holznagel, Director
SEIR*TEC
41 Marietta Street NW, Suite 1000
Atlanta, GA 30303
(800) 659-3204
(404) 893-0100 / Fax: (404) 577-7812
E-mail: dholznag@serve.org
WWW: http://www.serve.org/seir-tec/

Deborah Williams, R*TEC Project Officer
U.S. Department of Education
Office of Educational Research and Improvement
ORAD/SLSD, Room 504f
555 New Jersey Avenue NW
Washington, DC 20208-5644
(202) 219-2204
E-mail: Deborah_Williams@ed.gov

▶Department of Energy (DOE)

Appalachian Regional Commission (ARC) and Oak Ridge National Laboratory (ORNL)

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Terry L. Lashley, Education Partnerships Team Leader
Oak Ridge National Laboratory
Office of University and Science Education
PO Box 2008
5500A, MS 6366
Oak Ridge, TN 37831-6366
(423) 574-0689 / Fax: (423) 241-6726
E-mail: TL7@ornl.gov

Oak Ridge Institute for Science and Education

In addition to school partnership programs, the Oak Ridge Institute for Science and Education provides student internship opportunities, research participation, teacher workshops, and summer programs for students.

Wayne Stevenson, Assistant Director
Oak Ridge Institute for Science and Education
Science/Engineering Education Division
PO Box 117
Oak Ridge, TN 37831-0117
(423) 576-3283 / Fax:(423) 241-5219
E-mail: stevensw@orau.gov

Oak Ridge National Laboratory

The lab offers student science enrichment and teacher professional development both onsite and in schools, with a special focus on computer networking and communications.

Other programs include the following:

- **The Adventures in Supercomputing (AiS)** program is designed to foster and enhance the participation of diverse populations of high school students in mathematics, science, and computing.
- **The Ecological and Physical Sciences Study Center (EPSSC)** provides inquiry-based, hands-on science and mathematics activities and experiments for K–12 students and teachers. EPSSC instructors, science professionals, and educators deliver programs at the DOE's National Environmental Research Park, the ORNL Regional Science Center, the American Museum of Science and Energy, and area school classrooms. Currently the EPSSC offers more than 30 different programs. The programs are offered on a fee-for-service basis. EPSSC courses serve to supplement or enrich, not replace, existing science and mathematics curricula.
- **The Nonproliferation Teacher Institute** provides participants with experiences in research and curriculum development in the technical and policy aspects of global nuclear proliferation issues and nonproliferation efforts. The Institute is composed of technology briefings; laboratory research; development of a "Nonproliferation World" model, a computer moderated simulation exercise that will operate a mini-world educators can use to help build an understanding of proliferation and the dynamics associated with it; roundtable exchange; and closure report and critique.
- **The Saturday Academy of Computing and Mathematics (SACAM)** is an enrichment activity for East Tennessee area high school students. The goal is to reinforce the interests of selected outstanding students who already are moving towards math/science/engineering careers and can benefit from the opportunity to work, individually or in a group, with technical mentors through a structured series of research-based learning experiences. Student participants are nominated by teachers and administrators from as many as 15 area high schools. Teachers are encouraged to participate with their students. The program is offered twice (fall and winter) during each school year. SACAM is not a lecture course, nor primarily a course in mathematics or computer science. Rather, the principal subject matter is modern mathematics and high-performance computing. The approach is one of hands-on involvement with tools used to solve problems across the full range of scientific and technical disciplines.

- **The Teacher Research Participation Program** is designed to improve the quality of precollege education by enhancing the professional competence of science and mathematics teachers. This is accomplished by involving teachers in National engineering and scientific research programs and by supporting other activities that enable teachers to interact with science and engineering professionals. Through first-hand experiences gained from full-time, eight-week summer appointments, the program provides a better understanding of how scientific knowledge is applied in the laboratory and other technical environments. The primary objective is to provide opportunities for qualified science, mathematics, and technology teachers to participate in ongoing research under the guidance of the scientific staff at the Oak Ridge facilities. Participants are assigned to positions in well-established projects and become fully integrated members of the research groups. Applicants must be certified to teach mathematics, science, or computer science, and must have taught full-time for at least one year in either public or private secondary schools serving grades 7–12.

Linda Cain, Director
Oak Ridge National Laboratory
Office of University and Science Education
PO Box 2008, Building 5500A, MS 6366
Oak Ridge, TN 37831-6366
(423) 576-3886 / Fax: (423) 241-6776
E-mail: 9LC@ornl.gov

Barbara G. Summers, Education Program Manager
Oak Ridge National Laboratory
Office of University and Science Education
PO Box 2008, Building 5500A, MS 6366
Oak Ridge, TN 37831-6366
(423) 241-3705 / Fax: (423) 241-6776
E-mail: summersbg@ornl.gov

Peggy T. King, Program Administrator
Oak Ridge National Laboratory
Office of University and Science Education
PO Box 2008, Building 5500A, MS 6366
Oak Ridge, TN 37831-6366
(423) 241-3653 / Fax: (423) 241-6726

Terry L. Lashley, Education Partnerships Team Leader
Oak Ridge National Laboratory
Office of University and Science Education
PO Box 2008, Building 5500A, MS 6366
Oak Ridge, TN 37831-6366
(423) 574-0689 / Fax: (423) 241-6726
E-mail: TL7@ornl.gov

Oak Ridge Operations Office

The Oak Ridge Operations Office provides outreach programs to local precollege schools, conducts environmental education activities, and provides information about regional programs.

Greg Mills, Education Coordinator
DOE Oak Ridge Operations Office
ORNL Site Office, ER-111
Oak Ridge National Laboratory
Building 4500 North, MS 6269
PO Box 2008
Oak Ridge, TN 37831
(423) 576-0951 / Fax: (423) 574-9275
E-mail: millsga@ornl.gov

▶Department of the Interior (DOI)

Big South Fork National River

Programs include guided nature walks, environmental camps for high school students, and teacher workshops.

Division of Interpretation
Big South Fork National River
Route 3, Box 401
Oneida, TN 37841
(615) 879-4890

Bureau of Land Management Eastern States Office

This office provides information about educational programs, materials, and local land-management issues.

Education Coordinator
Bureau of Land Management
7450 Boston Boulevard
Springfield, VA 22153
(703) 440-1713

Great Smoky Mountains Institute at Tremont

This residential youth program emphasizes exploration and appreciation of natural and cultural resources of the Great Smoky Mountains National Park. Program offerings include teacher workshops, elder hostels, and summer family and youth camps. Sessions provide environmental education on critical issues in the Smokies. There are roughly 40–50 programs offered each year.

Ken Voorhis, Director
Great Smoky Mountains Institute at Tremont
Route 1, Box 700
Townsend, TN 37882
(612) 448-6709 / Fax: (612) 448-9250

Great Smoky Mountains National Park

Guided walks, lectures, and other activities offered by the Great Smoky Mountains National Park promote environmental education.

Other programs include the following:

- **The Junior Ranger Program** for park visitors ages 5–12 teaches about natural and cultural values of the Great Smoky Mountains National Park. The program includes an activity booklet and ranger-led activities. Upon completion of the booklet and attendance at programs, children are awarded a Junior Ranger badge.
- **Parks as Classrooms: Smoky Mountain Classrooms** provides an interdisciplinary learning experience for students in grades K–8.

Karen Ballantine, Park Ranger
Great Smoky Mountains National Park
107 Park Headquarters Road
Gatlinburg, TN 37738
(423) 436-1257 / Fax: (423) 436-1220

Obed Wild and Scenic River

Programs include guided nature tours and other environmental education activities.

Division of Interpretation
Obed Wild and Scenic River
Wartburg, TN 37887
(615) 346-6294

Project WILD

Project WILD offers teacher training and educational materials. Teacher guides, free to teachers who attend the training session, contain more than 80 supplementary, interdisciplinary activities for grades K–12.

Deborah Patton, Project WILD Coordinator
Tennessee Wildlife Resources
PO Box 40747
Nashville, TN 37204
(615) 781-6500 / Fax: (615) 741-4606

Karen Hanna
Project WILD Coordinator
Tennessee Department of Education
Gateway Plaza, 8th Floor
710 James Robertson Parkway
Nashville, TN 37243-0379
(615) 532-6249 / Fax: (615) 741-6236

Smoky Mountain Field School

There are one-, two-, or five-day workshops, hikes, and adventures to enhance appreciation, enjoyment, and understanding of the Smokies and the outdoors. Many courses are taught by University of Tennessee professors and emphasize field exploration. Roughly 50 program titles are offered each year.

Cheryl La Berge
Smoky Mountain Field School
University of Tennessee
Non-Credit Community Programs
600 Henley Street, Suite 105
Knoxville, TN 37902
(615) 974-0150
(800) 284-8885

▶Department of Labor (DOL)

Job Training Partnership Act (JTPA) Liaison

The JTPA Liaison can provide information about the Job Training Partnership Act State and local programs for economically disadvantaged adults and youth.

James R. White, Commissioner
Tennessee Department of Labor
501 Union Building
Nashville, TN 37219
(615) 741-2582 / Fax: (615) 741-5078

▶Department of Transportation (DOT)

Federal Aviation Administration (FAA) Aviation Education

The FAA Aviation Education Representative coordinates aviation education services, including materials and programs for the FAA in the States assigned to the region.

Programs include the following:

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- **Aviation Education Workshops for Teachers** provide teachers with information on FAA aviation programs and materials and prepare them to teach aviation in the classroom. Annual workshops are conducted at colleges and universities across the Nation. The FAA provides information, materials, and speakers for the program.
- **National Congress on Aviation and Space Education** is sponsored annually by the FAA in partnership with the National Aeronautics and Space Administration and the Civil Air Patrol. The meeting includes teacher workshops and crosstalk sessions to exchange ideas on promoting aerospace education.

George Burnette, ASO-17B.1, FAA Aviation Education Representative
1701 Columbia Avenue
College Park, GA 30337
(404) 305-5350 / Fax:(404) 305-5312

FAA Aviation Education Resource Centers

Located at colleges, museums, and State aviation authority offices, these centers function as information distribution centers for Federal Aviation Administration education materials and resources. The Resource Centers maintain and provide quantities of printed materials, videotapes, and computer educational software. Center personnel can also provide general information, conduct workshops, and make aviation-related presentations.

Dr. Wallace R. Maples, Chairman
Aviation Education Resource Center
Middle Tennessee State University
Aerospace Department
East Main Street, PO Box 67 MTSU
Murfreesboro, TN 37132
(615) 898-2788

▶Environmental Protection Agency (EPA)

EPA Regional Office

This office takes part in a variety of environmental education programs for both teachers and students. Programs range from teacher workshops and student contests to in-school presentations. Information on environmental issues is also available through the Public Information Center located at the office.

Rich Nawyn, Environmental Education Coordinator
Environmental Protection Agency
100 Alabama Street, SW
Atlanta, GA 30303
(404) 562-8320 / Fax: (404) 562-8335

The President's Environmental Youth Awards (PEYA) Program

Young people from each State are invited to participate in PEYA, a nationwide program designed to encourage individuals, school classes, summer camps, public interest groups, and youth organizations to promote environmental awareness and community involvement. The two components of the program are the regional certificate program and the National awards competition. Regional certificates, signed by the President, are awarded to each participant by EPA regional offices. National individual project winners, or one representative from a National award-winning group project, along with one sponsor, are honored at EPA headquarters, Washington, DC. Interested K–12 individuals or groups may obtain application materials and contest rules by contacting the EPA Regional Office that serves their State. PEYA has been an ongoing project since it was created by the White House Office of Education and the EPA in 1971.

EPA Region 4
100 Alabama Street, SW
Atlanta, GA 30303
(404) 562-8314 / Fax: (404) 562-8335

▶National Aeronautics and Space Administration (NASA)

NASA Educator Resource Center

The center has NASA-related educational materials in various formats, including laserdiscs, CD-ROMs, videotapes, slides, audiotapes, publications, and teacher guides. Educators may preview or copy NASA materials upon request.

U.S. Space and Rocket Center
NASA Educator Resource Center for Marshall Space Flight Center
PO Box 070015
Huntsville, AL 35807-7015
(205) 544-5812

NASA Field Centers

Each field center has an educational programs officer who is responsible for precollege education programs. In addition to administering National programs, the center offers programs and services to meet regional and local needs.

Jim Pruitt, Acting Director, Education Programs Office
Mail Code CL01
NASA Marshall Space Flight Center
Huntsville, AL 35812-0001
(205) 544-8800

NASA Regional Educator Resource Center (RERC)

To offer more educators the opportunity to visit the Educator Resource Center Network (ERCN), NASA forms partnerships with planetariums, universities, museums, and other nonprofit organizations to serve as RERCs. Teachers may preview or copy NASA materials upon request.

University of Tennessee at Martin
NASA Regional Educator Resource Center
Center for Excellence in Mathematics and Science
Martin, TN 38238-5029
(901) 587-7191/7166

Space Grant Consortium

The Space Grant Consortium in each State consists of colleges, universities, industry, and other organizations that have an interest in aeronautics and space education. Each consortium receives NASA funds for use in implementing a balanced program of research, education, and public service.

Tennessee Space Grant Consortium
Vanderbilt University
Department of Mechanical Engineering
Box 1617, Station B
Nashville, TN 37235
(615) 322-2764

Virginia

▶ Department of Agriculture (USDA)

4-H State Leader

The State 4-H Youth Development Programs are administered by the Cooperative Extension Service at land-grant universities. State 4-H leaders coordinate outreach services and training to all county offices.

John Dooley, Assistant Director, 4-H Youth
VPI and State University
107 Hutcheson Hall
Blacksburg, VA 24061-0419
(540) 231-6371 / Fax: (540) 231-7866
E-mail: jdooley@vtvm1.cc.vt.edu

Ag in the Classroom State Leader

This program promotes increased understanding of agriculture and possible careers in the agricultural sciences. With National leadership provided by USDA, each State manages its own programs, with assistance from agribusiness, educational institutions, and government.

Michele Awad, Virginia Farm Bureau Federation
PO Box 27552
Richmond, VA 23261
(804) 784-1234

Youth Enrichment Program

Sponsored by the Agricultural Research Service, this program provides first-hand science experience for more than 100 high school students interested in attending college and pursuing science careers.

Rosanna Taylor, Manager
U.S. Department of Agriculture
Office of the Administrator
Special Programs, Room 3552-S
1400 Independence Avenue SW
Washington, DC 20250-0301
(202) 720-3511

▶ Department of Commerce (DOC)

Chesapeake Bay National Estuarine Research Reserve

Estuarine ecology programs are offered for all grade levels at the reserve. Reservations are required.

David Niebuhr, Education Coordinator
Chesapeake Bay National Estuarine Research Reserve
Virginia Institute of Marine Science
Route 1308, PO Box 1346
Gloucester Point, VA 23062
(804) 642-7135 / Fax: (804) 642-7120

National Sea Grant College Program, Operation Pathfinder

The program consists of two-week summer courses that present an introduction to oceanographic and coastal processes. Available in six regions, the courses are designed to enhance skills in science teaching.

Bill Hall
Delaware Sea Grant
700 Pilottown Road
Lewes, DE 19958
(302) 645-4253 / Fax: (302) 645-4007

▶ Department of Defense (DoD)

Naval Base, Norfolk

The base participates in the Navy Community Service Program through formation of partnerships with schools and other youth organizations in Virginia (excluding National Capital Region), West Virginia, Maryland, Delaware, and Pennsylvania.

COMNAVBASE, Norfolk VA
Commander, Naval Base Norfolk
1530 Gilbert Street, Suite 200
Code N1P
Norfolk, VA 23511-2797
(804) 322-2826

Science and Engineering Apprentice Program

This program, supported by DoD and administered by The George Washington University, is designed to provide research experience for high school students attending school near the participating research facility. Each student works with a senior scientist or engineer who acts as a mentor for eight weeks during the summer. The following are participating organizations in the State of Virginia:

Michael Antos
Naval Surface Warfare Center (NSWC-D)
Code P30, Route 206
Dahlgren, VA 22448
(540) 653-8701

Dr. John Cline
Army Research Laboratory Vehicle Structures Directorate (AVSD)
NASA Langley Research Center
Hampton, VA 23681
(804) 864-3966

Other participating organizations located in Virginia include: Army Research Institute (ARI), Alexandria, Virginia; Army Test, Measurement and Diagnostic Equipment Activity (TMDE-V), Ft. Belvoir, Virginia; Night Vision and Electronic Sensors Directorate (NVESD, Ft. Belvoir, Virginia; and Topographic Engineering Center (TEC), Ft. Belvoir, Virginia. For information on these programs, contact:

Marylin Krupsaw
GWU/SEAS
Science and Engineering Apprentice Program
707 22nd Street NW
Washington, DC 20052
(202) 994-2234

▶ Department of Education (ED)

Appalachia Educational Laboratory, Inc. (AEL)

AEL identifies effective teaching techniques and school improvement efforts within the region and shares this information with State and local educators.

Terry L. Eidell, Executive Director
Appalachia Educational Laboratory, Inc.
PO Box 1348, 1031 Quarrier Street
Charleston, WV 25325
(304) 347-0400 / Fax: (304) 347-0489
(800) 344-6646 (inside WV)
(800) 624-9120 (outside WV)

Eisenhower Regional Math/Science Consortium at AEL

The Eisenhower Regional Consortium provides information and technical assistance to help States and school districts improve mathematics and science education.

Pam Buckley, Director
Eisenhower Math/Science Consortium at AEL
1700 North Moore Street, Suite 1275
Arlington, VA 22209
(800) 624-9120
E-mail: buckley@ael.org
WWW: http://www.ael.org/eisen

Eisenhower State Coordinators

Eisenhower State Coordinators administer the Eisenhower Professional Development Program State Formula grants. The program focuses on sustained and intensive high-quality professional development through inservice programs.

Dr. Carol L. Rezba
Eisenhower Professional Development Program
Virginia Department of Education
PO Box 2120
Richmond, VA 23218-2120
(804) 225-2676 / Fax: (804) 786-1703

Eisenhower State Coordinators for Higher Education

Eisenhower State Coordinators oversee the Eisenhower Professional Development State Formula Grants for the State Agency for Higher Education (SAHE). The program focuses on teacher enhancement through both inservice and preservice programs.

Laura C. Ford
Eisenhower Professional Development Program
State Council of Higher Education for Virginia
101 North 14th Street, James Monroe Building, 9th Floor
Richmond, VA 23219-3684
(804) 225-4416 / Fax: (804) 225-2604

Southeast and Islands Regional Technology in Education Consortium (SEIR*TEC)

ED established the Regional Technology in Education Consortia (R*TEC) program in the fall of 1995 to help States, districts, schools, adult literacy centers, and other educational institutions use advanced technology to support improved teaching and student achievement. R*TEC's role in educational technology is unique in two ways: the emphasis is regional and the primary goal is to ensure that technology is used effectively to support school reform. Program strategies include professional development, technical assistance, and information dissemination.

Don Holznagel, Director
SEIR*TEC
41 Marietta Street NW, Suite 1000
Atlanta, GA 30303
(800) 659-3204
(404) 893-0100 / Fax: (404) 577-7812
E-mail: dholznag@serve.org
WWW: http://www.serve.org/seir-tec/

Deborah Williams, R*TEC Project Officer
U.S. Department of Education
Office of Educational Research and Improvement
ORAD/SLSD, Room 504f
555 New Jersey Avenue NW
Washington, DC 20208-5644
(202) 219-2204
E-mail: Deborah_Williams@ed.gov

▶ Department of Energy (DOE)

Appalachian Regional Commission (ARC) and Oak Ridge National Laboratory (ORNL)

A summer science, mathematics, and technology Teacher Leadership Institute is available for secondary teachers to participate in research-based programs at ORNL. The institute is provided in a two-week summer residential format patterned after the ORNL/National Science Foundation (NSF) National Teacher Enhancement Project and Leadership Institute. Participants are selected by the ARC from secondary schools throughout the ARC region. The focus is on hands-on laboratory research applying the tools and methods used in ongoing ORNL projects in research areas (as appropriate for each teacher's teaching assignment), pedagogy, and leadership. The program will feature telecommunications instruction at the ORNL Regional Science Center and telecommunications will be the primary method used for academic year follow-up and continued interactions with the teachers. Participants in the Teacher Leadership Institute will be hosted by several ORNL research divisions based on each teacher's background and interests. A program coordinator with experience in teacher preparation/higher education delivers instruction in pedagogy and educational leadership.

ARC and ORNL also collaborate on a summer science, mathematics, and technology Summer Science Honors Academy for ARC students to participate in research-based programs at ORNL. Student participants (seniors or graduating seniors) will be selected by the ARC from secondary schools throughout the ARC region. Students will be teamed with research mentors to participate in hands-on laboratory research applying the tools and methods used in ongoing ORNL projects. Students will also receive telecommunications instruction at the ORNL Regional Science Center.

Terry L. Lashley, Education Partnerships Team Leader
Oak Ridge National Laboratory
Office of University and Science Education
PO Box 2008
5500A, MS 6366
Oak Ridge, TN 37831-6366
(423) 574-0689 / Fax: (423) 241-6726
E-mail: TL7@ornl.gov

Thomas Jefferson National Accelerator Facility

In addition to school-year programs to motivate students and summer programs to enhance teachers, CEBAF—a Department of Energy physics research lab—shares curriculum materials, loans videotapes, and partners with the State and school districts to promote systemic improvement in precollege math and science education.

Janet H. Tyler, Science Education Manager
Thomas Jefferson National Accelerator Facility
12000 Jefferson Avenue
Newport News, VA 23606
(757) 269-7164 / Fax: (757) 269-5065
E-mail: tyler@cebaf.gov
WWW: http://www.cebaf.gov

▶ Department of the Interior (DOI)

Back Bay National Wildlife Refuge

Teacher Workshops introduce teachers to environmental education facilities, equipment, and activities available at the refuge. Teachers conduct environmental activities firsthand. Educational activities focus on refuge habitats: beach, marsh, and pond. The workshops prepare teachers for field trips with students. Hands-on environmental education activities focus on the habitat and wildlife found at the refuge.

Dean Werner, Park Ranger
Back Bay NWR
4005 Sandpiper Road
Virginia Beach, VA 23456
(804) 721-2412 / Fax: (804) 721-6141

Bureau of Land Management Eastern States Office

This office provides information about educational programs, materials, and local land-management issues.

Education Coordinator
Bureau of Land Management
7450 Boston Boulevard
Springfield, VA 22153
(703) 440-1713

Chincoteague National Wildlife Refuge

Programs include guided walks, environmental education activities, and teacher workshops. Teachers participating in the workshops receive teacher guides. The refuge also conducts offsite outreach programs to elder hostels, youth groups, and other interested organizations.

Other programs include the following:

- **The Non-Guided Environmental Education** program provides materials to groups that request fee waivers for environmental education programs.
- **The Spring Environmental Education** program allows students to study endangered species, biodiversity, and migration through pre-visit, onsite, and post-visit activities.

John D. Schroer, Refuge Manager
Outdoor Recreation Planner
Chincoteague National Wildlife Refuge
Box 62, Maddox Boulevard
Chincoteague, VA 23336
(804) 336-6122 / Fax: (804) 336-5273
E-mail: r5rw_chnwr@mail.fws.gov

Eastern States Bureau of Land Management

Kids' Fishing Day, an ongoing annual program, includes Pathways to Fishing, a National Educational Activity that focuses on ecology, fishing lessons, and fishing ethics. Participants also have hands-on fishing experience with local fishermen and a recreational casting game.

Geoff Walsh, Wildlife Biologist
7450 Boston Boulevard
Springfield, VA 22153
(703) 440-1668 / Fax: (703) 440-1599

Prince William Forest Park

Food Chains, Food Webs, and the Pyramid of Life are all ways of describing the flow of energy in nature. In this program, the student learns about photosynthesis, herbivores, carnivores, and how the system interrelates to the food chain.

Other programs include:

- **The Forest Succession Walk** teaches students to name the five different layers of a mature forest, describe three stages of forest succession, and understand plant and animal communities.
- **Geology of Prince William Forest Park** is a program that teaches students about various rocks and minerals in the park, as well as general concepts of geology and the processes that help form the park.
- **Hug A Tree** introduces tree parts, names, and how trees benefit humans.
- **The Mining and Minerals** program teaches students about iron pyrite and sulfur and their importance. Other topics include how to identify a mining site, how to extract these minerals from the ground, and the effects of mining on the environment.
- **Seeds: Nature's Hitch Hikers and Parachutes** helps students identify some plant seeds and describe the ways in which they propagate life.
- **Using the Five Senses** teaches students about their five senses and the part of the body used for each sense. Students learn how animals use their senses to survive.
- **Water Cycles, Watersheds, and Stream Ecology** helps students learn about the importance of watersheds, water cycles, and why they should be protected. They learn about pollution in streams as well as about the parameters of streams and how they influence each other.

Kathy Langley, Acting Supervisor
Division of Interpretation
Prince William Forest Park
18100 Park Head Quarters
Triangle, VA 22712
(703) 221-4706 / Fax: (703) 221-4322

Mason Neck National Wildlife Refuge

The refuge offers environmental education workshops for teachers on- and offsite. In the Field Studies program, classes or groups can study successional grasslands and forests, wetlands, and wildlife management programs during field trips after teachers or group leaders have attended a pre-trip orientation tour. Staff may accompany adult or special needs groups for detailed discussion of management programs or to assist with access.

Teacher Workshops focus on Nationally known activity guides (Project WILD, Aquatic Project WILD, Project Learning Tree, Wonders of Wetlands) or customized programs to meet teachers' needs for presenting environmental concepts or fulfilling the youth program curriculum.

Yvonne Schultz, Outdoor Recreation Planner
Mason Neck NWR
14344 Jeff Davis Highway
Woodbridge, VA 22191
(703) 690-1297 / Fax: (703) 690-8495

Minerals Management Service (MMS) Regional Office

The MMS Regional Office provides a range of educational services. Teacher inservice programs and classroom visitations may include supplemental materials. Availability may be limited, but arrangements may be made for duplication of some materials at minimal cost.

Offshore Minerals Management Technical Communications Service
Minerals Management Service
381 Eldon Street, MS 4530
Herndon, VA 20170-4817
(703) 787-1080 / Fax: (703) 787-1186

Office of Communications & Governmental Affairs
Education Coordinator
Minerals Management Service
1849 C Street NW; LMS4230
Washington, DC 20240-0001
(202) 208-3985 / Fax: (202) 208-3968

Partnerships in Education

Partnerships are established by the United States Geological Survey (USGS) management and school administration to enhance science and math education. The programs provide feasible USGS resources, enrich school curricula, foster mentorships, and build student esteem. Partnerships are based on proximity to USGS site and availability of USGS staff.

Susan C. Wells, Bureau Volunteer Coordinator
215 National Center
Reston, VA 22092
(703) 648-7452 / Fax: (703) 648-4132
E-mail: swells@usgs.gov

Project WILD

Project WILD offers teacher training and educational materials. Teacher guides, free to teachers who attend the training session, contain more than 80 supplementary, interdisciplinary activities for grades K–12.

Suzie Gilley, Project WILD Coordinator
Virginia Department of Game and Inland Fisheries
4010 West Broad, PO Box 11104
Richmond, VA 23230
(804) 367-0188 / Fax: (804) 367-9147

Shenandoah National Park

Spring and fall workshops educate teachers about the park. Environmental education programs for students are primarily for third and fifth graders. Guided walks are available upon request.

Other programs include the following:

- **Of Fields, Forests, and Streams** is a program to introduce students to various habitats and what organisms need for survival. A one-day teacher workshop and pre- and post-site activities are available.
- **The Variety of Life** program discusses the interconnectedness and the interrelationships of the members of various communities (natural and human). A one-day teacher workshop and pre- and post-site activities are available.

Rol Hesselbart, Education and Youth Service Program Manager
Shenandoah National Park
Route 4, Box 348
Luray, VA 22835
(540) 999-3481 / Fax: (540) 999-3683

Turner Adventure Learning

This program is an interactive distance learning program with up to three days of live broadcasting. The program has teacher training materials and is available to schools through cable or satellite link.

Gary M. Stolz, Outdoor Recreation Planner
USFWS—NETC
4401 North Fairfax Drive
Arlington, VA 22203
(703) 358-2504 / Fax: (703) 358-2283
E-mail: stolzg@mail.fws.gov

U.S. Fish and Wildlife Service

A Home for Pearl is a program consisting of an instructional videotape with accompanying teacher guide designed to teach elementary school children about wildlife habitats.

Miriam Westervelt, Environmental Education Specialist
U.S. Fish and Wildlife Service
Division of Education
PO Box 332
Waterford, VA 20197
(540) 882-3282

U.S. Geological Survey

The programs for students and teachers include field trips, workshops, volunteer intern positions, mentoring, shadowing, science fair judging, career fair presentations, and classroom visits. These programs are designed to present scientific content and hands-on experiences in relevant science. The focus is on teacher training and enhancement as the best way to reach more students. Programs address issues in current science education reform and the content areas of local/regional curricula. Programs are regional or local in nature and are advertised through local school systems or teacher organizations.

Teacher Resource Centers (GEO-Center, Earth Science Education Collection) provide a comprehensive, current collection of Earth science education resources to the educational community. Educational materials, including books, videos, activities, maps, posters, models, and hands-on items are available for loan to K–12 teachers and other educators involved in the teaching of the geosciences, including hydrology, meteorology, cartography, astronomy, and Earth science.

USGS Education Committee
U.S. Geological Survey
116-E National Center
Reston, VA 22092

▶ Department of Labor (DOL)

Job Training Partnership Act (JTPA) Liaison

The JTPA Liaison can provide information about the Job Training Partnership Act State and local programs for economically disadvantaged adults and youth.

Dr. James E. Price, Executive Director
Governor's Employment and Training Department
The Commonwealth Building
4615 West Broad Street, Third Floor
Richmond, VA 23230
(804) 367-9803 / Fax: (804) 367-6172

▶ Department of Transportation (DOT)

Federal Aviation Administration (FAA) Aviation Education

The FAA Aviation Education Representative coordinates aviation education services, including materials and programs for the FAA in the States assigned to the region.

Programs include the following:

- **The Aviation Career Education (ACE) Academy** is a one-week summer aviation education program for high school students sponsored by the FAA along with a host educational institution. The program provides students with diverse experiences in aviation career exploration. The focus is on aviation career clusters identified by FAA, with an emphasis on opportunities for women and minorities. A goal is to have one program in each State and U.S. Territory. The FAA will conduct regional leadership workshops and provide funds based on the availability of resources.
- **Aviation Education Workshops for Teachers** provide teachers with information on FAA aviation programs and materials and prepare them to teach aviation in the classroom. Annual workshops are conducted at colleges and universities across the Nation. The FAA provides information, materials, and speakers for the program.
- **National Congress on Aviation and Space Education** is sponsored annually by the FAA in partnership with the National Aeronautics and Space Administration and the Civil Air Patrol. The meeting includes teacher workshops and crosstalk sessions to exchange ideas on promoting aerospace education.

Jim Szakary, AEA-61, FAA Aviation Education Representative
JFK International Airport
Federal Building, #111
Jamaica, NY 11430
(718) 553-3364 / Fax: (718) 553-1455

FAA Aviation Education Resource Centers

Located at colleges, museums, and State aviation authority offices, these centers function as information distribution centers for Federal Aviation Administration education materials and resources. The Resource Centers maintain and provide quantities of printed materials, videotapes, and computer educational software. Center personnel can also provide general information, conduct workshops, and make aviation-related presentations.

Betty P. Wilson
Aviation Education Resource Center
Virginia Aviation Museum
5701 Huntsman Road
Sandston, VA 23150-1946
(804) 225-3783

▶Environmental Protection Agency (EPA)

EPA Regional Office

This office takes part in a variety of environmental education programs for both teachers and students. Programs range from teacher workshops and student contests to in-school presentations. Information on environmental issues is also available through the Public Information Center located at the office.

Bonnie Smith & Nan Ides, Environmental Education Coordinators
Environmental Protection Agency
841 Chestnut Street (3EA20)
Philadelphia, PA 19107
(215) 566-5546 / Fax: (215) 566-5102

The President's Environmental Youth Awards (PEYA) Program

Young people from each State are invited to participate in PEYA, a nationwide program designed to encourage individuals, school classes, summer camps, public interest groups, and youth organizations to promote environmental awareness and community involvement. The two components of the program are the regional certificate program and the National awards competition. Regional certificates, signed by the President, are awarded to each participant by EPA regional offices. National individual project winners, or one representative from a National award-winning group project, along with one sponsor, are honored at EPA headquarters, Washington, DC. Interested K–12 individuals or groups may obtain application materials and contest rules by contacting the EPA Regional Office that serves their State. PEYA has been an ongoing project since it was created by the White House Office of Education and the EPA in 1971.

EPA Region 3
81 Chestnut Street (3EA20)
Philadelphia, PA 19107
(215) 566-5543 / Fax: (215) 566-5102

▶National Aeronautics and Space Administration (NASA)

NASA Educator Resource Center

The center has NASA-related educational materials in various formats, including laserdiscs, CD-ROMs, videotapes, slides, audiotapes, publications, and teacher guides. Educators may preview or copy NASA materials upon request.

Virginia Air and Space Center
NASA Educator Resource Center
600 Settler's Landing Road
Hampton, VA 23669-4033
(804) 727-0900, ext. 757

Wallops Flight Facility
NASA Education Complex—Visitor Center
Building J-17
Wallops Island, VA 23337-5099
(804) 824-2297 or 824-2298

NASA Field Centers

Each field center has an educational programs officer who is responsible for precollege education programs. In addition to administering National programs, the center offers programs and services to meet regional and local needs.

Marchelle Canright
Center Education Program Officer
NASA Langley Research Center, MS 400
Hampton, VA 23681-0001
(804) 864-3313

Keith Koehler
Public Affairs Office
Wallops Flight Facility
Wallops Island, VA 23337
(804) 824-1579

NASA Regional Educator Resource Center (RERC)

To offer more educators the opportunity to visit the Educator Resource Center Network (ERCN), NASA forms partnerships with planetariums, universities, museums, and other nonprofit organizations to serve as RERCs. Teachers may preview or copy NASA materials upon request.

Radford University
NASA Regional Educator Resource Center
PO Box 6999 Walker Hall
Radford, VA 24142
(703) 831-6284

Space Grant Consortium

The Space Grant Consortium in each State consists of colleges, universities, industry, and other organizations that have an interest in aeronautics and space education. Each consortium receives NASA funds for use in implementing a balanced program of research, education, and public service.

Virginia Space Grant Consortium
2713-D Magruder Boulevard
Hampton, VA 23666
(804) 865-0726

West Virginia

▶Department of Agriculture (USDA)

4-H State Leader

The State 4-H Youth Development Programs are administered by the Cooperative Extension Service at land-grant universities. State 4-H leaders coordinate outreach services and training to all county offices.

Dr. Mary McPhall Gray, Division Leader
Family and Youth Program
West Virginia University
PO Box 6031, 619 Knapp Hall
Morgantown, WV 26506-6031
(304) 293-2694 / Fax: (304) 293-7599
E-mail: u4aac@wvnvm.wvnet.edu

Ag in the Classroom State Leader

This program promotes increased understanding of agriculture and possible careers in the agricultural sciences. With National leadership provided by USDA, each State manages its own programs, with assistance from agribusiness, educational institutions, and government.

William Aiken
West Virginia Farm Bureau
1 Red Rock Road
Buckhannon, WV 26201
(304) 472-2080 / Fax: (304) 472-6554

Youth Enrichment Program

Sponsored by the Agricultural Research Service, this program provides first-hand science experience for more than 100 high school students interested in attending college and pursuing science careers.

Rosanna Taylor, Manager
U.S. Department of Agriculture
Office of the Administrator
Special Programs, Room 3552-S
1400 Independence Avenue SW
Washington, DC 20250-0301
(202) 720-3511

▶Department of Education (ED)

Appalachia Educational Laboratory, Inc. (AEL)

AEL identifies effective teaching techniques and school improvement efforts within the region and shares this information with State and local educators.

Terry L. Eidell, Executive Director
Appalachia Educational Laboratory, Inc.
PO Box 1348, 1031 Quarrier Street
Charleston, WV 25325
(304) 347-0400 / Fax: (304) 347-0489
(800) 344-6646 (inside WV)
(800) 624-9120 (outside WV)

Eisenhower Regional Math/Science Consortium at AEL

The Eisenhower Regional Consortium provides information and technical assistance to help States and school districts improve mathematics and science education.

Pam Buckley, Director
Eisenhower Math/Science Consortium at AEL
1700 North Moore Street, Suite 1275
Arlington, VA 22209
(800) 624-9120
E-mail: buckley@ael.org
WWW: http://www.ael.org/eisen

Eisenhower State Coordinators

Eisenhower State Coordinators administer the Eisenhower Professional Development Program State Formula grants. The program focuses on sustained and intensive high-quality professional development through inservice programs.

David M. Porterfield
Eisenhower Professional Development Program
West Virginia Department of Education
1900 Kanawha Boulevard East, Room B-252
Charleston, WV 25305
(304) 558-7805 / Fax: (304) 558-0048

Eisenhower State Coordinators for Higher Education

Eisenhower State Coordinators oversee the Eisenhower Professional Development State Formula Grants for the State Agency for Higher Education (SAHE). The program focuses on teacher enhancement through both inservice and preservice programs.

Dr. Donald C. Darnton
Eisenhower Professional Development Program
West Virginia State College
Department of Business
Institute, WV 25112
(304) 766-3094/3192 / Fax: (304) 768-9842

Southeast and Islands Regional Technology in Education Consortium (SEIR*TEC)

ED established the Regional Technology in Education Consortia (R*TEC) program in the fall of 1995 to help States, districts, schools, adult literacy centers, and other educational institutions use advanced technology to support improved teaching and student achievement. R*TEC's role in educational technology is unique in two ways: the emphasis is regional and the primary goal is to ensure that technology is used effectively to support school reform. Program strategies include professional development, technical assistance, and information dissemination.

Don Holznagel, Director
SEIR*TEC
41 Marietta Street NW, Suite 1000
Atlanta, GA 30303
(800) 659-3204
(404) 893-0100 / Fax: (404) 577-7812
E-mail: dholznag@serve.org
WWW: http://www.serve.org/seir-tec/

Deborah Williams, R*TEC Project Officer
U.S. Department of Education
Office of Educational Research and Improvement
ORAD/SLSD, Room 504f
555 New Jersey Avenue NW
Washington, DC 20208-5644
(202) 219-2204
E-mail: Deborah_Williams@ed.gov

▶Department of Energy (DOE)

Appalachian Regional Commission (ARC) and Oak Ridge National Laboratory (ORNL)

A summer science, mathematics, and technology Teacher Leadership Institute is available for secondary teachers to participate in research-based programs at ORNL. The institute is provided in a two-week summer residential format patterned after the ORNL/National Science Foundation (NSF) National Teacher Enhancement Project and Leadership Institute. Participants are selected by the ARC from secondary schools throughout the ARC region. The focus is on hands-on laboratory research applying the tools and methods used in ongoing ORNL projects in research areas (as appropriate for each teacher's teaching assignment), pedagogy, and leadership. The program will feature telecommunications instruction at the ORNL Regional Science Center and telecommunications will be the primary method used for academic year follow-up and continued interactions with the teachers. Participants in the Teacher Leadership Institute will be hosted by several ORNL research divisions based on each teacher's background and interests. A program coordinator with experience in teacher preparation/higher education delivers instruction in pedagogy and educational leadership.

ARC and ORNL also collaborate on a summer science, mathematics, and technology Summer Science Honors Academy for ARC students to participate in research-based programs at ORNL. Student participants (seniors or graduating seniors) will be selected by the ARC from secondary schools throughout the ARC region. Students will be teamed with research mentors to participate in hands-on laboratory research applying the tools and methods used in ongoing ORNL projects. Students will also receive telecommunications instruction at the ORNL Regional Science Center.

Terry L. Lashley, Education Partnerships Team Leader
Oak Ridge National Laboratory
Office of University and Science Education
PO Box 2008
5500A, MS 6366
Oak Ridge, TN 37831-6366
(423) 574-0689 / Fax: (423) 241-6726
E-mail: TL7@ornl.gov

Morgantown Energy Technology Center

In addition to guided tours and field trips, the center manages teacher workshops and a speakers' bureau, loans instructional materials to Teacher Research Associates Program participants and local educators, and sponsors a regional Science Bowl.

Larry Headley
Morgantown Energy Technology Center
PO Box 880
Morgantown, WV 26507-0880
(304) 285-4314 / Fax: (304) 285-4292
E-mail: lheadle@metc.doe.gov

▶Department of the Interior (DOI)

Bureau of Land Management Eastern States Office

This office provides information about educational programs, materials, and local land-management issues.

Education Coordinator
Bureau of Land Management
7450 Boston Boulevard
Springfield, VA 22153
(703) 440-1713

Harpers Ferry National Historic Park

The Marsh Walk program explores an often misunderstood natural resource, the wetland.

Marsha Starkey, Education Specialist
Harpers Ferry NHP
PO Box 65
Harpers Ferry, WV 25425
(304) 535-6748 / Fax: (304) 535-6749

New River Gorge National River

Programs are requested by teachers and other youth group leaders from a list of 10 in-park programs offered at six locations or 11 offsite programs. Each is designed to offer a hands-on experience that complements State learner outcomes, and to promote a sense of responsibility for protecting the park and the environment as a whole. Programs include guided walks and lectures on the history, geology, and ecology of the New River Gorge National River. A teacher guide is available.

In the park's curriculum-based Environmental Education Program, a park ranger visits each K–4 classroom in participating schools in both the fall and spring to present a one- to two-hour program of activities centering on a grade-specific environmental or cultural theme.

Warren Snyder, Chief
Interpretation and Visitor Services
New River Gorge National River
PO Box 246
Glen Jean, WV 25846
(304) 465-0508 / Fax: (304) 465-0591

Project WILD

Project WILD offers teacher training and educational materials. Teacher guides, free to teachers who attend the training session, contain more than 80 supplementary, interdisciplinary activities for grades K–12.

Art Shomo, Project WILD Coordinator
Division of Natural Resources
1900 Kanawha Boulevard, East
Charleston, WV 25305
(304) 558-2771 / Fax: (304) 558-3147

▶Department of Labor (DOL)

Job Training Partnership Act (JTPA) Liaison

The JTPA Liaison can provide information about the Job Training Partnership Act State and local programs for economically disadvantaged adults and youth.

Andrew N. Richardson, Commissioner
West Virginia Bureau of Employment
  Programs
Job Training Programs Division
112 California Avenue, Room 610
Charleston, WV 25305-0112
(304) 558-2630 / Fax: (304) 558-2992

▶Department of Transportation (DOT)

Federal Aviation Administration (FAA) Aviation Education

The FAA Aviation Education Representative coordinates aviation education services, including materials and programs for the FAA in the States assigned to the region.

Programs include the following:

- **The Aviation Career Education (ACE) Academy** is a one-week summer aviation education program for high school students sponsored by the FAA along with a host educational institution. The program provides students with diverse experiences in aviation career exploration. The focus is on aviation career clusters identified by FAA, with an emphasis on opportunities for women and minorities. A goal is to have one program in each State and U.S. Territory. The FAA will conduct regional leadership workshops and provide funds based on the availability of resources.
- **Aviation Education Workshops for Teachers** provide teachers with information on FAA aviation programs and materials and prepare them to teach aviation in the classroom. Annual workshops are conducted at colleges and universities across the Nation. The FAA provides information, materials, and speakers for the program.
- **National Congress on Aviation and Space Education** is sponsored annually by the FAA in partnership with the National Aeronautics and Space Administration and the Civil Air Patrol. The meeting includes teacher workshops and crosstalk sessions to exchange ideas on promoting aerospace education.

Jim Szakary, AEA-61
FAA Aviation Education Representative
JFK International Airport
Federal Building, #111
Jamaica, NY 11430
(718) 553-3364 / Fax: (718) 553-1455

FAA Aviation Education Resource Centers

Located at colleges, museums, and State aviation authority offices, these centers function as information distribution centers for Federal Aviation Administration education materials and resources. The Resource Centers maintain and provide quantities of printed materials, videotapes, and computer educational software. Center personnel can also provide general information, conduct workshops, and make aviation-related presentations.

Dr. Ronald Ohl, President
Aviation Education Resource Center
Salem-Teikyo University
223 West Main Street
Salem, WV 26426
(304) 782-5234

▶Environmental Protection Agency (EPA)

EPA Regional Office

This office takes part in a variety of environmental education programs for both teachers and students. Programs range from teacher workshops and student contests to in-school presentations. Information on environmental issues is also available through the Public Information Center located at the office.

Bonnie Smith and Nan Ides, Environmental
  Education Coordinators
Environmental Protection Agency
841 Chestnut Street (3EA20)
Philadelphia, PA 19107
(215) 566-5546 / Fax: (215) 566-5102

The President's Environmental Youth Awards (PEYA) Program

Young people from each State are invited to participate in PEYA, a nationwide program designed to encourage individuals, school classes, summer camps, public interest groups, and youth organizations to promote environmental awareness and community involvement. The two components of the program are the regional certificate program and the National awards competition. Regional certificates, signed by the President, are awarded to each participant by EPA regional offices. National individual project winners, or one representative from a National award-winning group project, along with one sponsor, are honored at EPA headquarters, Washington, DC. Interested K–12 individuals or groups may obtain application materials and contest rules by contacting the EPA Regional Office that serves their State. PEYA has been an ongoing project since it was created by the White House Office of Education and the EPA in 1971.

EPA Region 3
81 Chestnut Street (3EA20)
Philadelphia, PA 19107
(215) 566-5543 / Fax: (215) 566-5102

▶ National Aeronautics and Space Administration (NASA)

NASA Educator Resource Center

The center has NASA-related educational materials in various formats, including laserdiscs, CD-ROMs, videotapes, slides, audiotapes, publications, and teacher guides. Educators may preview or copy NASA materials upon request.

Virginia Air and Space Center
NASA Educator Resource Center
600 Settler's Landing Road
Hampton, VA 23669-4033
(804) 727-0900, ext. 757

NASA Field Centers

Each field center has an educational programs officer who is responsible for precollege education programs. In addition to administering National programs, the center offers programs and services to meet regional and local needs.

Marchelle Canright, Center Education
Program Officer
NASA Langley Research Center
Mail Stop 400
Hampton, VA 23681-0001
(804) 864-3313

NASA Regional Educator Resource Center (RERC)

To offer more educators the opportunity to visit the Educator Resource Center Network (ERCN), NASA forms partnerships with planetariums, universities, museums, and other nonprofit organizations to serve as RERCs. Teachers may preview or copy NASA materials upon request.

Wheeling Jesuit College
NASA Regional Educator Resource Center
316 Washington Avenue
Wheeling, WV 26003
(304) 243-2388

Space Grant Consortium

The Space Grant Consortium in each State consists of colleges, universities, industry, and other organizations that have an interest in aeronautics and space education. Each consortium receives NASA funds for use in implementing a balanced program of research, education, and public service.

West Virginia Space Grant Consortium
West Virginia University, Evansdale Campus
Engineering Research Building, Room 108A
Morgantown, WV 26506-6101
(304) 293-4099

- **Arizona**
- **California**
- **Nevada**
- **Utah**

Far West Region

WestEd Eisenhower Regional Consortium for Science and Mathematics Education

WestEd Eisenhower Regional Consortium for Science and Mathematics Education

Far West Region

The WestEd Eisenhower Regional Consortium for Science and Mathematics Education (WERC), a program of the WestEd Regional Educational Laboratory, has served the Far West region since October, 1992. WERC is a member of the National Network of Eisenhower Regional Consortia and the Eisenhower National Clearinghouse for Mathematics and Science Education. The mission of this network is to serve as a coordinated field-based National infrastructure for systemic development and dissemination, with an emphasis on underserved and underrepresented populations.

Each of the 10 Regional Consortia serves the States within its geographical region to promote systemic reform in science and mathematics education. Systemic reform aims to simultaneously address the various factors that contribute to the current condition of science and mathematics education. On a State level, this includes curriculum frameworks, grade-level assessments, and teacher preservice and inservice programs. WestEd works with States to develop world-class standards, to help align curriculum frameworks with world-class standards, and to match statewide assessment methods with these standards and reform frameworks.

Arizona

Consortium staff have worked with the Arizona Department of Education to develop a curriculum alignment program to assist schools in meeting the goals of the Arizona Essential Skills in mathematics and science. Consortium staff also helped design and implement the summer Arizona Academy for Systemic Reform of Mathematics and Science and the subsequent Journey Schools Program. WERC staff also provide technical assistance to Arizona systemic reform efforts such as the Phoenix area Urban Systemic Initiative and the Arizona Coalition members of the area's UCAN Rural Systemic Initiative. The technical assistance for the Urban Systemic Initiative has had a focus on teacher action research projects and is developing a new focus on telecommunications.

California

California is the only State in WestEd's region that has received funding from the National Science Foundation's Statewide Systemic Initiative (SSI). WERC collaborates with the State's SSI to help coordinate science education efforts throughout the State. Together they have established the California Science Education Advisory Committee (CSEAC), which is currently leading the effort to develop *California Challenge Science Education Standards*. This statewide effort utilizes electronic communications to assist in the development, review, and dissemination of the new standards. Another major CSEAC initiative is focusing on the implementation of science performance assessments statewide. In the spring of 1996, more than 20,000 students engaged in performance tasks as part of this initiative.

The Science Education Academy of the Bay Area (SEABA) provides an example of the networking and collaboration model for enhanced systemic reform. Charter members of SEABA include 10 county offices of education, four University of California campuses, the Lawrence Hall of Science, four California State University campuses, WestEd, the California Department of Education, the Exploratorium, the California Academy of Sciences, Public Broadcasting Station KQED, and four U.S. Department of Energy laboratories. A SEABA goal from its inception has been the production and dissemination of a "one-stop shopping catalog" of greater Bay Area programs and resources. This electronic catalog provides accurate up-to-date information about science education resources and continuing education opportunities available to educators in the greater Bay Area. Teachers and resource providers can search the catalog by organization name, subject area, type of activity, date range, geographic location, and other search criteria. A companion journal, printed in magazine format, provides teachers with an overview of Bay Area professional development activities, highlights selected SEABA activities, encourages teachers to continue their education in science, and helps them use the electronic catalog.

Nevada

Work at the State level has focused on building an electronic network called the Nevada Public School Network. This telecommunications network enables K–12 teachers to directly access the Internet. WestEd has provided necessary funds for the distributed file servers needed to operate the network and facilitate the organization and functioning of a statewide task force to make and implement both short-term and long-term plans. Currently, WERC efforts in Nevada are focusing on the development of a new *Nevada Science Framework* that embodies content and performance standards. In addition, WERC staff provide technical assistance in a variety of professional development settings supporting mathematics and science education.

Utah

Work in Utah focuses on revising and implementing the science framework. Revision of the core curriculum initially focused on K–6 and expanded to grades 7–12. WERC participated in writing and revising the new core, integrating authentic assessment instruments aligned with the core content and philosophy, piloting the use of the core in selected schools, and disseminating the revised core to a much wider audience in Utah. After the Utah Board of Education adopted both revised cores, efforts have focused on supporting the professional development to assist teachers and schools in implementing the new ways of teaching science at the elementary and secondary levels. A key philosophical underpinning of the science core revisions is a departure from instruction based on isolated facts toward an integrated instructional program that highlights the processes of science and the big ideas in science and their connections. The revised secondary science core includes a new ninth grade Earth Systems Science course. WERC staff are assisting Utah educators in developing helpful resources for teachers and students, especially a site on the World Wide Web specifically geared to supporting this course.

Consortium Services

The Regional Consortia have a special role in identifying and disseminating exemplary curricular materials, teaching methods, teacher training programs, and assessment tools. WERC helps identify exemplary materials developed within its region to be disseminated by the Consortium and by the Eisenhower National Clearinghouse (ENC). In addition, WERC plays a central role in the dissemination of information from the Clearinghouse to schools and teachers in its four States. WERC, in collaboration with ENC, has set up a Demonstration Site in the California Academy of Sciences located in San Francisco's Golden Gate Park. This collaboration is now being extended through the establishment of one or more ENC Access Centers in each State.

At the local level, the Consortium provides technical assistance that teaches classroom teachers, administrators, and other educators to adapt and use exemplary instructional materials, teaching methods, curricula, and assessment tools. Since the WestEd Eisenhower Regional Consortium has a limited budget to serve a very large area in terms of both population and geography, it is focusing its training efforts on working with existing staff development networks. The Consortium's training and information services aim to facilitate the efforts of the many agencies that themselves reach out into all the schools in the region.

WestEd provides significant resources and assistance with respect to the uses of technology to support improvements in mathematics and science education. The development, printing, and distribution of the acclaimed book *Tales from the Electronic Frontier* illustrate WERC's approach to the uses of technology to support education reform. *Tales* features nine stories of how practicing teachers use the Internet for the active learning of mathematics and science. Each story raises challenging issues that arise in instructional settings. In addition, *Tales* provides valuable resources, tips, and ideas to help both Internet novices and those with more experience.

The WestEd Governing Board oversees the activities of the WestEd Eisenhower Regional Consortium. The Governing Board has 33 active members from all four States, including Chief State School Officers, local school administrators, representatives from higher education, county superintendents of schools, representatives from State offices of education, representatives from private schools, and members of the business community.

Dr. Art Sussman,
WERC Co-Director

Dr. Steve Schneider,
WERC Co-Director

Dr. Tania Madfes,
Director, Science Education Academy of the Bay Area

Dr. Sharon Nelson-Barber,
Equity, Evaluation Specialist

Dr. Jerome Shaw,
Science Specialist

Ann Muench,
Mathematics Specialist

Richard Wenn,
Communications Specialist

Libby Rognier,
Research Associate

Mayumi Shinohara,
Research Associate

Kirsten Daehler,
Research Associate

Roberto Carlos,
Research Assistant

Billy Trimble,
Research Assistant

Sally King,
Administrative Assistant

WestEd Eisenhower Regional Consortium for Science and Mathematics Education
730 Harrison Street
San Francisco, CA 94107-1242
(415) 241-2730 / Fax: (415) 241-2746
WWW: http://www.wested.org/werc/

Arizona

▶Department of Agriculture (USDA)

4-H State Leader

The State 4-H Youth Development Programs are administered by the Cooperative Extension Service at land-grant universities. State 4-H leaders coordinate outreach services and training to all county offices.

Dr. William Peterson, Assistant Director
Arizona 4-H Youth Development
University of Arizona
Forbes 315
Tucson, AZ 85719
(602) 621-7205 / Fax: (602) 621-1314
E-mail: bpeters@ccit.arizona.edu

Ag in the Classroom State Leader

This program promotes increased understanding of agriculture and possible careers in the agricultural sciences. With National leadership provided by USDA, each State manages its own programs, with assistance from agribusiness, educational institutions, and government.

Deborah Flowers
3401 East Elwood Street
Phoenix, AZ 85040-1625
(602) 470-0088 / Fax: (602) 470-0178

▶Department of Defense (DoD)

Naval Base, San Diego

The base participates in the Navy Community Service Program through formation of partnerships with schools and other youth organizations throughout Southern California, Arizona, Hawaii, and Nevada.

COMNAVBASE, San Diego CA
Commander, Naval Base
937 North Harbor Drive
Code 012
San Diego, CA 92132-5100
(619) 532-1514

▶Department of Education (ED)

Eisenhower State Coordinators

Eisenhower State Coordinators administer the Eisenhower Professional Development Program State Formula grants. The program focuses on sustained and intensive high-quality professional development through inservice programs.

Sharon Bolster, State Coordinator
Eisenhower Professional Development Program
Arizona Department of Education
1535 West Jefferson Street
Phoenix, AZ 85007
(602) 542-2147 / Fax: (602) 542-3100

Eisenhower State Coordinators for Higher Education

Eisenhower State Coordinators oversee the Eisenhower Professional Development State Formula Grants for the State Agency for Higher Education (SAHE). The program focuses on teacher enhancement through both inservice and preservice programs.

Paul Tweeten
Eisenhower Professional Development Program
Arizona Board of Regents
2020 North Central Avenue, Suite 230
Phoenix, AZ 85004
(520) 229-2961 / Fax: (520) 523-7953

Pacific and Southwest Regional Technology in Education Consortium (PSR*TEC)

ED established the Regional Technology in Education Consortia (R*TEC) program in the fall of 1995 to help States, districts, schools, adult literacy centers, and other educational institutions use advanced technology to support improved teaching and student achievement. R*TEC's role in educational technology is unique in two ways: the emphasis is regional and the primary goal is to ensure that technology is used effectively to support school reform. Program strategies include professional development, technical assistance, and information dissemination.

Kevin Rocap, Director
PSR*TEC
Center for Language Minority Education and Research
c/o College of Education
California State University, Long Beach
1250 Bellflower Boulevard
Long Beach, CA 90840-2201
(310) 985-1570 / Fax: (310) 985-4528
E-mail: krocap@csulb.edu
WWW: http://www.csulb.edu/~clmer/pswrtc/pswrtc.html

Neal Kaske
R*TEC Project Officer
U.S. Department of Education
Office of Educational Research and Improvement
Office of Library Programs, Room 300h
555 New Jersey Avenue NW
Washington, DC 20208-5571
(202) 219-1871
E-mail: nkaske@inet.ed.gov

WestEd Eisenhower Regional Consortium for Science and Mathematics Education

The Eisenhower Regional Consortium provides information and technical assistance to help States and school districts improve mathematics and science education.

Art Sussman and Steve Schneider, Co-Directors
WestEd Eisenhower Regional Consortium for Science and Mathematics Education
730 Harrison Street
San Francisco, CA 94107-1242
(415) 565-3000 / Fax: (415) 241-2746
WWW: http://www.wested.org/werc/

WestEd Regional Educational Laboratory

WestEd identifies effective teaching techniques and school improvement efforts within the region and shares this information with State and local educators.

Dean H. Nafziger, Executive Director
WestEd Regional Educational Laboratory
730 Harrison Street
San Francisco, CA 94107-1242
(415) 565-3000 / Fax: (415) 565-3012

▶Department of Energy (DOE)

Western Area Power Administration (WAPA)

The Western Area Power Admininstration conducts the Regional Science Bowl, an academic competition sponsored by DOE and the community. Held each February, it encourages the study of science and mathematics and the pursuit of related careers. The regional winner advances to the National Competition, held each spring in Washington, DC.

Kevin Petts
Western Area Power Administration—Phoenix
PO Box 6457
615 South 43rd Avenue
Phoenix, AZ 85005
(602) 352-2770 / Fax: (602) 352-2454

▶Department of the Interior (DOI)

Bureau of Land Management State Office

This office participates in the Color Country Nature Camp Program for students and provides information about educational programs, materials, and local land-management issues. Information is also available on facilities such as the Dankworth Pond Outdoor Learning Center and the San Pedro Riparian National Conservation Area.

Rem Hawes, Education Coordinator
Office of External Affairs
Bureau of Land Management
3707 North Seventh Street
PO Box 16563
Phoenix, AZ 85011
(602) 650-0404

Chiricahua National Monument

The program What's a Chiricahua? introduces students to the many unique animals found in the monument.

Suzanne Moody, Environmental Education Coordinator
Chiricahua National Monument
Dos Cabezas Rt.
Box 6500
Willcox, AZ 85643
(602) 824-3560 / Fax: (602) 824-3421

Hoover Dam

In addition to tours of the Hoover Dam, visitors can explore interpretive exhibits about the environment.

Bob Walsh
Public Affairs Office
Hoover Dam LCD-140
PO Box 427
Boulder City, NV 89005
(702) 293-8421

Glen Canyon Dam

Guided and self-guided tours of the dam are available to school groups. Brochures in Braille and headphones are also available for individuals who are visually impaired.

Jayne Kelleher
Public Affairs Office
Upper Colorado Region
Bureau of Reclamation
PO Box 11568 (UC-140)
Salt Lake City, UT 84147-0568
(801) 524-6039

Imperial National Wildlife Refuge

The refuge offers a variety of outreach and onsite environmental education activities for students of all ages.

Imperial National Wildlife Refuge
PO Box 72217
Martinez Lake, AZ 85365
(602) 783-3371 / Fax: (602) 783-0652

Organ Pipe Cactus National Monument

The program *Juntos: Maestros y Ninos del Desierto* provides hands-on experiences in the field to help students to learn about the desert ecosystem and how their presence here impacts that ecosystem. Pre-visit classroom exercises prepare them for their field experience. The multicultural program provides opportunities to explore and understand different values. It also promotes a sense of land stewardship and increases understanding of how human activities affect the land.

Harold J. Smith, Superintendent
Organ Pipe Cactus National Monument
Route 1, Box 100
Ajo, AZ 85321
(602) 387-7661, ext. 7500
Fax: (602) 387-7661, press 2

Lake Mead National Recreation Area

Environmental educational programs are offered for grades 1–6. Pre- and post-visit curriculum materials are provided.

Division of Interpretation
Lake Mead National Recreation Area
601 Nevada Highway
Boulder City, NV 89005
(702) 293-8920

Natural Resources Workshop for Arizona Youth

The program involves hands-on, field-oriented investigation and interaction. Sessions include ecology, geology, soils, plants, wildlife and hydrology, forest and range analysis, watershed management, irrigation, farm and ranch management, recreation, wilderness, and cultural resources.

Lynn Saline, Area Manager
Stafford District
711 14th Avenue
Stafford, AZ 85546
(520) 428-4040 / Fax: (520) 428-3722

Petrified Forest National Park

Fascinating Fossil Factory, a curriculum-based paleontology program, is the first comprehensive education program produced by the park. The program will serve as a prototype from which the scope of the education programs will be extended to include other park resources. This program includes recommended classroom activities that prepare the students for the in-park section; a field activity that requires observation, analysis, and teamwork; and follow-up activities that consist of a compilation of findings.

Paula Hosking, Park Ranger/Education Coordinator
Petrified Forest National Park
PO Box 2217
Petrified Forest, AZ 86028
(602) 524-6228, ext. 233
Fax: (602) 524-3567

Project Water Education for Teachers (WET)

Project WET is an interdisciplinary water education program intended to supplement a school's existing curriculum. Classroom-ready teaching aides being developed include activity guides and modules for grades K–12, computer simulations, water-history publications, groundwater flow models, and a series of children's story and action books.

Larry Sullivan, Associate Director
Water Resources Research Center
350 North Campbell Avenue
Tucson, AZ 85721
(602) 792-9591

Project WILD

Project WILD offers teacher training and educational materials. Teacher guides, free to teachers who attend the training session, contain more than 80 supplementary, interdisciplinary activities for grades K–12.

Project WILD Coordinator
Arizona Game and Fish Department
2221 West Greenway
Phoenix, AZ 85023
(602) 789-3228 or 789-3920

Saguaro National Monument

In the Desert Communities program, students are introduced to the people, animals, and plants of the Sonoran Desert in the Tucson Basin. A teacher workbook is sent in advance of a pre-visit to the classroom before the students participate in the two-hour site visit. Desert Discoveries is an environmental education program that introduces Sonoran Desert plants and animals, as well as the interrelationships between them. The program includes an introduction to homesteading. A teacher workshop is held annually (three days/15 hours total). A pre-visit is made to the participating school. Also available is a Junior Ranger Program, a day camp consisting of four week-long programs serving 20 children each week. Daily topics cover park rangers, birds, wildlife, and plants and conservation. A Check-Out Activity Booklet Program is also available, through which parents borrow a backpack of supplies to aid the child in completing the activities in the Junior Ranger Booklet.

Tom Danton, Chief of Interpretation
Saguaro NM—Tucson Mountain District
3693 South Old Spanish Trail
Tucson, AZ 85730
(520) 733-5133

SMILE: Science and Mathematics for Indian Learners and Educators

The purpose of the SMILE workshop is to provide needed skills in the areas of science and mathematics to Indian learners and educators from across the State of Arizona. The six goals of the workshop are as follows: (1) to understand new approaches to teaching science, mathematics, and environmental education; (2) to understand curriculum development strategies; (3) to increase the variety of instructional strategies in science and mathematics teaching; (4) to elevate awareness of resources available for science, mathematics, and environmental education instruction; (5) to adapt commercial materials for classroom use; and (6) to develop culturally relevant curriculum materials that reflect current ideas in science and mathematics education.

Dr. Carol R. Adkins, Coordinator
SMILE Workshop
Northern Arizona University
PO Box 5697
Flagstaff, AZ 86011
(602) 523-7521

▶Department of Labor (DOL)

Job Training Partnership Act (JTPA) Liaison

The JTPA Liaison can provide information about the Job Training Partnership Act State and local programs for economically disadvantaged adults and youth.

James B. Griffith, Acting Assistant Director
Division of Employment and Rehabilitation Services
1789 West Jefferson
PO Box 6123, Suite 901A
Phoenix, AZ 85005
(602) 542-4910 / Fax: (602) 542-2273

▶Department of Transportation (DOT)

Federal Aviation Administration (FAA) Aviation Education

The FAA Aviation Education Representative coordinates aviation education services, including materials and programs for the FAA in the States assigned to the region.

Programs include the following:

- **The Aviation Career Education (ACE) Academy** is a one-week summer aviation education program for high school students sponsored by the FAA along with a host educational institution. The program provides students with diverse experiences in aviation career exploration. The focus is on aviation career clusters identified by FAA, with an emphasis on opportunities for women and minorities. A goal is to have one program in each State and U.S. Territory. The FAA will conduct regional leadership workshops and provide funds based on the availability of resources.
- **Aviation Education Workshops for Teachers** provide teachers with information on FAA aviation programs and materials and prepare them to teach aviation in the classroom. Annual workshops are conducted at colleges and universities across the Nation. The FAA provides information, materials, and speakers for the program.
- **National Congress on Aviation and Space Education** is sponsored annually by the FAA in partnership with the National Aeronautics and Space Administration and the Civil Air Patrol. The meeting includes teacher workshops and crosstalk sessions to exchange ideas on promoting aerospace education.

Sandi Couverley, AWP-17F, FAA Aviation Education Representative
PO Box 92007
Worldway Postal Center
Los Angeles, CA 90009
(310) 297-0556 / Fax: (310) 297-0706

FAA Aviation Education Resource Centers

Located at colleges, museums, and State aviation authority offices, these centers function as information distribution centers for Federal Aviation Administration education materials and resources. The Resource Centers maintain and provide quantities of printed materials, videotapes, and computer educational software. Center personnel can also provide general information, conduct workshops, and make aviation-related presentations.

Lew Davis, Program Manager
Aviation Education Resource Center
South Mountain High School
Center for Aerospace Education
5401 South Seventh Street
Phoenix, AZ 85040
(602) 271-3439

Tony Gulielmino, Aviation Department Chair
Aviation Education Resource Center
Pima Community College
1668 South Research Loop Road
Tucson, AZ 85730
(602) 884-6186

Karen Hudson, Educational Programs Coordinator
Aviation Education Resource Center
Embry-Riddle Aeronautical University
3200 North Willow Creek Road
Prescott, AZ 86301
(602) 771-6673

Gilbert McLaughlin
Flandrau Science Center
University of Arizona
Tucson, AZ 85721
(602) 621-4515

▶ Environmental Protection Agency (EPA)

EPA Regional Office

This office takes part in a variety of environmental education programs for both teachers and students. Programs range from teacher workshops and student contests to in-school presentations. Information on environmental issues is also available through the Public Information Center located at the office.

Stacey Benfer, Environmental Education Coordinator
Environmental Protection Agency
75 Hawthorne Street (E-2)
San Francisco, CA 94105
(415) 744-1586 / Fax: (415) 744-1605

The President's Environmental Youth Awards (PEYA) Program

Young people from each State are invited to participate in PEYA, a nationwide program designed to encourage individuals, school classes, summer camps, public interest groups, and youth organizations to promote environmental awareness and community involvement. The two components of the program are the regional certificate program and the National awards competition. Regional certificates, signed by the President, are awarded to each participant by EPA regional offices. National individual project winners, or one representative from a National award-winning group project, along with one sponsor, are honored at EPA headquarters in Washington, DC. Interested K–12 individuals or groups may obtain application materials and contest rules by contacting the EPA Regional Office that serves their State. PEYA has been an ongoing project since it was created by the White House Office of Education and the EPA in 1971.

EPA Region 9
75 Hawthorne Street (E-2)
San Francisco, CA 94105
(415) 744-1582 / Fax: (415) 744-1605

▶ National Aeronautics and Space Administration (NASA)

NASA Educator Resource Center

The center has NASA-related educational materials in various formats, including laserdiscs, CD-ROMs, videotapes, slides, audiotapes, publications, and teacher guides. Educators may preview or copy NASA materials upon request.

NASA Ames Research Center
Educator Resource Laboratory
Educator Resource Center, MS T12-A
Moffett Field, CA 94035-1000
(415) 604-3574

NASA Field Centers

Each field center has an educational programs officer who is responsible for precollege education programs. In addition to administering National programs, the center offers programs and services to meet regional and local needs.

Garth A. Hull, Chief
Educational Programs Branch
NASA Ames Research Center
Mail Stop 204-12
Moffett Field, CA 94035
(415) 604-5543

NASA Regional Educator Resource Center (RERC)

To offer more educators the opportunity to visit the Educator Resource Center Network (ERCN), NASA forms partnerships with planetariums, universities, museums, and other nonprofit organizations to serve as RERCs. Teachers may preview or copy NASA materials upon request.

Lunar and Planetary Laboratory
NASA Regional Educator Resource Center
University of Arizona
Tucson, AZ 85721-0001
(520) 621-6939 or 621-6947

Space Grant Consortium

The Space Grant Consortium in each State consists of colleges, universities, industry, and other organizations that have an interest in aeronautics and space education. Each consortium receives NASA funds for use in implementing a balanced program of research, education, and public service.

Arizona Space Grant Consortium
University of Arizona
Lunar and Planetary Lab, Room 333
Tucson, AZ 85721
(602) 621-8556

California

▶ Department of Agriculture (USDA)

4-H State Leader

The State 4-H Youth Development Programs are administered by the Cooperative Extension Service at land-grant universities. State 4-H leaders coordinate outreach services and training to all county offices.

Steven D. Mendivil, Program Coordinator
1333 Research Park Drive
University of California
Davis, CA 95616
(916) 754-8518 / Fax: (916) 754-8541
E-mail: sdmendivil@ucdavis.edu

Ag in the Classroom State Leader

This program promotes increased understanding of agriculture and possible careers in the agricultural sciences. With National leadership provided by USDA, each State manages its own programs, with assistance from agribusiness, educational institutions, and government.

Mark Linder
California Foundation for Ag in the Classroom
1601 Exposition Boulevard, FB 16
Sacramento, CA 95815
(916) 924-4380 / Fax: (916) 923-5318

▶ Department of Commerce (DOC)

Channel Islands National Marine Sanctuary

The sanctuary offers a science education program and a variety of educational materials for fifth-grade students in the Santa Barbara school system. In-school presentations may also be arranged.

Laura Gorodezky, Education Coordinator
Channel Islands National Marine Sanctuary
113 Harbor Way
Santa Barbara, CA 93109
(805) 966-7107 / Fax: (805) 568-1582

Elkhorn Slough National Estuarine Research Reserve

The reserve offers teacher workshops, teacher guided tours, and curriculum materials.

Becky Christensen, Education Coordinator
Elkhorn Slough National Estuarine Research Reserve
1700 Elkhorn Road
Watsonville, CA 95076
(408) 728-2822 / Fax: (408) 728-1056

Gulf of the Farallones National Marine Sanctuary

The sanctuary offers annual science workshops for teachers. The Whale Bus, a traveling exhibit, offers hands-on activities and visits schools upon request.

Edward Ueber, Manager
Gulf of the Farallones National Marine Sanctuary
Fort Mason Building, Room 201
San Francisco, CA 94123
(415) 561-6622 / Fax: (415) 561-6616

Monterey Bay National Marine Sanctuary

This recently designated sanctuary will create education programs in the coming year.

Liz Love, Education Coordinator
Monterey Bay National Marine Sanctuary
299 Foam Street, Suite D
Monterey, CA 93940
(408) 647-4201 / Fax: (408) 647-4250

National Sea Grant College Program, Operation Pathfinder

The program consists of two-week summer courses that present an introduction to oceanographic and coastal processes. Courses are available in six regions and are designed to enhance skills in science teaching.

Michael Spranger
Washington Sea Grant
University of Washington, HG-3
3716 Brooklyn Avenue NE
Seattle, WA 98105-6716
(206) 543-6600 / Fax: (206) 685-0380

Tijuana River National Estuarine Research Reserve

The reserve offers teacher training courses and student programs, which include nature walks and classes.

Gail Sevrens, Education Coordinator
Tijuana River National Estuarine Research Reserve
301 Caspian Way
Imperial Beach, CA 91932
(619) 575-3613 / Fax: (619) 575-6913

▶ Department of Defense (DoD)

Civil Engineer Corps—Seabee Museum

Designed to highlight the importance of engineering in the Naval forces, the Seabee Museum exhibits the history and technology of various projects of the Civil Engineer Corps. Tours are available upon request.

Civil Engineer Corps—Seabee Museum
Naval Construction Battalion Center
1000 23rd Avenue
Code 10H
Port Hueneme, CA 93043-4301
(805) 982-5611 / Fax: (805) 982-5595

Naval Air Station, Lemoore

The station participates in the Navy Community Service Program through formation of partnerships with schools and other youth organizations throughout the local area.

NAS, Lemoore CA
Commander, Naval Air Station Lemoore
810 Avenger Avenue
Code 013
Lemoore, CA 93246-5037
(209) 998-2137

Naval Air Station, Point Mugu

The station participates in the Navy Community Service Program through formation of partnerships with schools and other youth organizations throughout the local area.

NAVAIRWARCENWPNDIV Point Mugu CA
Commander,Naval Air Warfare Center Weapons Division
Point Mugu, CA 93042-5000
(805) 989-3254

Naval Base, San Diego

The base participates in the Navy Community Service Program through formation of partnerships with schools and other youth organizations throughout southern California, Arizona, Hawaii, and Nevada.

COMNAVBASE, San Diego CA
Commander, Naval Base
937 North Harbor Drive
Code 012
San Diego, CA 92132-5100
(619) 532-1514

Naval Base, San Francisco

The base participates in the Navy Community Service Program through formation of partnerships with schools and other youth organizations throughout northern California.

COMNAVABASE, San Francisco CA
Commander, Naval Base Treasure Island
410 Palm Avenue
Code N-5
San Francisco, CA 94130-0411
(415) 395-3928

▶ Department of Education (ED)

Eisenhower State Coordinators

Eisenhower State Coordinators administer the Eisenhower Professional Development Program State Formula grants. The program focuses on sustained and intensive high-quality professional development through inservice programs.

Dr. Gayland Jordan
Eisenhower Professional Development Program
California Department of Education
721 Capitol Mall, Third Floor
Sacramento, CA 94244-2720
(916) 657-4865 / Fax: (916) 657-3467

Eisenhower State Coordinators for Higher Education

Eisenhower State Coordinators oversee the Eisenhower Professional Development State Formula Grants for the State Agency for Higher Education (SAHE). The program focuses on teacher enhancement through both inservice and preservice programs.

Linda Barton White
Eisenhower Professional Development Program
California Postsecondary Education Commission
1303 J Street, Suite 500
Sacramento, CA 95814
(916) 322-7984 / Fax: (916) 327-4417

Pacific and Southwest Regional Technology in Education Consortium (PSR*TEC)

ED established the Regional Technology in Education Consortia (R*TEC) program in the fall of 1995 to help States, districts, schools, adult literacy centers, and other educational institutions use advanced technology to support improved teaching and student achievement. R*TEC's role in educational technology is unique in two ways: the emphasis is regional and the primary goal is to ensure that technology is used effectively to support school reform. Program strategies include professional development, technical assistance, and information dissemination.

Kevin Rocap, Director
PSR*TEC
Center for Language Minority Education and Research
c/o College of Education
California State University, Long Beach
1250 Bellflower Boulevard
Long Beach, CA 90840-2201
(310) 985-1570 / Fax: (310) 985-4528
E-mail: krocap@csulb.edu
WWW: http://www.csulb.edu/~clmer/pswrtc/pswrtc.html

Neal Kaske, R*TEC Project Officer
U.S. Department of Education
Office of Educational Research and Improvement
Office of Library Programs, Room 300h
555 New Jersey Avenue NW
Washington, DC 20208-5571
(202) 219-1871
E-mail: nkaske@inet.ed.gov

WestEd Eisenhower Regional Consortium for Science and Mathematics Education

The Eisenhower Regional Consortium provides information and technical assistance to help States and school districts improve mathematics and science education.

Art Sussman and Steve Schneider, Co-Directors
WestEd Eisenhower Regional Consortium for Science and Mathematics Education
730 Harrison Street
San Francisco, CA 94107-1242
(415) 565-3000 / Fax: (415) 241-2746
WWW: http://www.wested.org/werc/

WestEd Regional Educational Laboratory

WestEd identifies effective teaching techniques and school improvement efforts within the region and shares this information with State and local educators.

Dean H. Nafziger, Executive Director
WestEd Regional Educational Laboratory
730 Harrison Street
San Francisco, CA 94107-1242
(415) 565-3000 / Fax: (415) 565-3012

▶ Department of Energy (DOE)

Elk Hills Naval Petroleum Reserves

Elk Hills is one of the Nation's leading producers of crude oil and California's largest producer of natural gas. In addition to daily operations, Elk Hills is committed to future generations, encouraging young people in Kern County to pursue careers in mathematics and science through active involvement in various education outreach programs. One of the largest and most visible programs is the annual Kern County Regional Science Bowl. In addition to the Science Bowl, Elk Hills is host to many other programs, including paid student summer internship programs, Earth Day elementary school activities, and the environmental Pockets Educational Outreach Program, as well as various oil field tours and a one-day shadowing program. Elk Hills also provides a large number of employees to judge at various school science fairs, Engineering and Science Achievement (MESA) program, the Science Olympics, career days, and Arco's Coles Levee Ecosystem Preserve educational program.

Todd G. Goode, Public Affairs
Naval Petroleum Reserves in California
U.S. Department of Energy
PO Box 87
Tupman, CA 93276
(805) 763-6067 / Fax: (805) 763-6699

Lawrence Berkeley National Laboratory

The laboratory works with the Bay Area Science and Technology Education Collaboration to improve education in science, mathematics, and technology. Research opportunities are available for local high school students, secondary teachers, and undergraduate students. Various outreach programs are also available.

Roland Otto, Director
Lawrence Berkeley National Laboratory
Center for Science and Engineering Research
One Cyclotron Road, Building 938C
Berkeley, CA 94720
(510) 486-5325 / Fax: (510) 486-6660
E-mail: rjotto@lbl.gov

Lawrence Livermore National Laboratory

The primary mission of the laboratory is "to provide the scientific and technological tools needed to meet critical National missions in the next 20 years." The Education Program is channeling the unique scientific and technical resources of the laboratory toward systemic improvement in science, mathematics, engineering, and technology education to ensure a highly skilled, diverse workforce. The laboratory introduces new approaches to teaching science and mathematics, integrates laboratory core competencies and technology to enhance science education, enhances public understanding and awareness of science and technology, and provides students and educators with opportunities to conduct research and earn advanced degrees.

Eileen S. Vergino, Director
Education Program
Lawrence Livermore National Laboratory
Livermore, CA 94550
(510) 422-3907 / Fax: (510) 422-5761
E-mail: verginoes@llnl.gov

Western Area Power Administration (WAPA)

WAPA conducts the Regional Science Bowl, an academic competition sponsored by DOE and the community. Held each February, the Bowl encourages the study of science and mathematics and the pursuit of related careers. The regional winner advances to the National competition, held each spring in Washington, DC.

Guy Nelson
Western Area Power Administration—Sacramento
114 Park Shore Drive
Folsom, CA 95670-4710
(916) 353-4435 / Fax: (916) 985-1930
E-mail: gnelson@wapa.gov

▶Department of the Interior (DOI)

Adopt-a-Watershed

This program is designed around a K–12 curriculum that teaches the fundamentals of watershed planning and management.

George Wingate, Hydrologist
705 Hall Street
Susonville, CA 96130
(916) 257-0456 / Fax: (916) 251-5539

Alturas Bureau of Land Management (BLM)

Adopt-a-Ranch provides environmental education to high school students. Subjects taught include wildlife, livestock management, cultural heritage, forestry, fire management, vegetation, and hydrology. Students receive lectures in the classroom and participate with trips to the Yankee Jim Ranch.

Sixth Grade Field Day provides a day of environmental education to middle school students. Subjects taught include: wildlife, livestock management, cultural heritage, forestry, fire management, vegetation, and hydrology. The field day links BLM specialists with local students and teachers.

Rich Burns, Alturas Area Manager
708 West 12th Street
Alturas, CA 96101
(916) 233-4666 / Fax: (916) 233-5696

Bakersfield Bureau of Land Management (BLM)

An Ecology Field Trip Program Monthly consists of family-oriented ecology field trips to points of environmental interest in California. Classroom ecology and Earth science experiments and demonstrations are also provided by BLM naturalists.

Gregg Wilkerson, Geologist
Bakersfield District
3801 Pegasus Drive
Bakersfield, CA 93308
(805) 391-6081 / Fax: (805) 391-6040

Bureau of Land Management State Office

The office provides information about educational programs and materials. Information about local programs managed by district offices, such as the Hollister Resource Area Office, is also available.

Education Coordinator
Bureau of Land Management
2800 Cottage Way, E-2841
Sacramento, CA 95825
(916) 978-4746

Bureau of Reclamation Environmental Education

A variety of environmental subjects, with an emphasis on water resources, is offered to teachers and students in grades K–12. Subjects vary from groundwater model to instant snow storms and wetlands in a pan. Programs are presented in the classroom as well as outdoors at laboratory schools, summer camps, and at some visitor centers. The program currently operates in the States of California, Colorado, Montana, Nevada, Idaho, and Utah.

Theresa Taylor, Environmental Education
  Program Assistant
Denver Federal Center, D-5100
Building 67
Denver, CO 80225
(303) 236-9336, ext. 262
Fax: (303) 236-3573

Cabrillo National Monument

Ranger-Led Auditorium Programs introduce movies dealing with the Voyage of Cabrillo, the Pacific Grey Whale, and the tidepools. The information provides a foundation for studies related to these three topics.

Cquvato- Gatson, Education Coordinator
Interpretation Division
Cabrillo National Monument
PO Box 6670
San Diego, CA 92064
(619) 557-5450 / Fax: (619) 557-5469

Caring for the Land

This interagency, year-round, environmental education area is permanently located on the Los Angeles County Fairgrounds. It was built and is managed cooperatively by the Bureau of Land Management, USDA, Forest Service, National Park Service, California Department of Forestry and Fire, and the Los Angeles County Forestry and Fire Warden. The site includes an interpretive trail through southern California native ecosystems, an amphitheater, and a restored firetower. Programs are given by Native Americans on native plant uses, tree potting, etc.

Elayn Briggs, Environmental Education
  Coordinator
California Desert District Office
6221 Box Springs Boulevard
Riverside, CA 92507
(909) 697-5200 / Fax: (909) 697-5296

Channel Islands National Park

The park offers environmental programs, including guided walks, lectures, a video, and teacher workshops. In the Floating Classroom program, park concessions and park interpreters conduct educational presentations on ships out to Anacapa Island and on the island. All-day programs highlight marine life and history of the islands. Students hike on the island and explore the tidepools.

Carol J. Spears, Chief
Division of Interpretation
Channel Islands National Park
1901 Spinnaker Drive
Ventura, CA 93001
(805) 658-5700 / Fax: (805) 658-5799

Death Valley National Monument

The monument offers environmental programs, including guided walks, lectures, and hands-on activities. In the Junior Ranger Education Program, interpreters travel to area schools and present information about the park to students. All activities are completed in and around the school. This program teaches stewardship of Death Valley and other public lands. An activity book, certificate, and badge are provided.

Glenn R. Gossard, South District Interpreter
Death Valley National Monument
Death Valley, CA 92328
(619) 786-2331 / Fax: (619) 786-3283

The Desert Tortoise Multi-Agency Exhibit Project: Win the Race Against Extinction

This is a multi-agency effort to provide California and Nevada public schools with educational materials. The exhibit includes portable display boards with photos and text, exhibit kits containing freeze-dried tortoise and tortoise shells showing predation and degradation, plants eaten by the tortoise, posters, videos, teacher guide, bookmarks, trading cards, etc.

Mary Webb, Writer/Editor
Regional Office
Division of Environment
PO Box 61470
Boulder City, NV 61470
(702) 293-8704 / Fax: (702) 293-8023

Folsom Dam

Guided tours are provided by the Bureau of Reclamation.

Jeff McCracken
Public Affairs Office, Mid-Pacific Region
Bureau of Reclamation
Federal Office Building
2800 Cottage Way
Sacramento, CA 95825-1846
(916) 979-2837

Fort Cronkhite

"Walk to the Edge of America—the Military" is a two-hour, ranger-guided interpretive presentation focusing on U.S. history in California from 1850 to the present. The program uses the park's abandoned forts as learning and discussion tools. Activities include archaeological explorations, discussion of perceived foreign threats, changing technology, and problem resolutions on personnel and global levels.

Another program is "B" Is for Biodiversity. Through a series of engaging activities, students walk a trail and begin to understand the concept of ecosystem health through a variety of species. Games, discovery walks, discussion, problem solving, and solo walks allow the students to experience why they value biological systems.

Diane Dobos-Bubno, Park Ranger
Building 1056
Fort Cronkhite
Sausalito, CA 94965
(415) 331-0845 / Fax: (415) 331-1428

Golden Gate National Park

Exploring the Neighborhoods at the Golden Gate features a hike along the coastal bluffs and shoreline at the Golden Gate. Students learn about the homes of the plants, animals, and people who have lived there. Students meet the plants and animals that live in the forest, the bay, the beach, and the tide line. Participants catch and release a crab, observe animal "neighborhoods," and discuss how their lives affect all the neighborhoods around them.

A Walk Through Time features a hike in the forest, during which students learn about the geography, geology, and natural history of the Presidio and how it has changed through time. They also learn how the Ohlone, Spanish, Mexican, and American communities have lived with the land.

Jill Torres, Education Coordinator
Golden Gate National Park Association
Fort Mason, Building 201
San Francisco, CA 94123
(415) 556-1874 / Fax: (415) 992-2692

Golden Gate National Recreation Area

Curriculum-based programs are led by trained staff who stress outdoor activities. Teacher guides that detail pre- and post-visit activities are available for each program. For example, Adopt-a-Beach is an environmental education program that teaches students about the effects of garbage on ocean ecosystems. Curriculum developed by the California Coastal Commission supplements a field trip to Ocean Beach (San Francisco) where students participate in a beach cleanup.

The Junior Ranger Program is a six-part education program that provides students and teachers with an in-depth National park experience. Students learn about natural and cultural resources of the park through a series of field trips to different park sites. Through discussion, hands-on activities, and journal assignments, students develop life-long skills such as cooperation, observation, decision making, questioning, recording, and analyzing information. All field trips are ranger led.

Kevin Turner, Fort Funston Site Supervisor
Golden Gate National Recreation Area
Fort Mason
Building 201
San Francisco, CA 94123
(415) 239-2366 / Fax: (415) 556-1638

Joshua Tree National Monument

The monument manages several ranger-led natural-science oriented educational programs that are available both onsite and in the classroom. For example, Introduction to Joshua Tree National Monument acquaints students to the natural, cultural, and geographic features of the park.

Division of Interpretation
Joshua Tree National Monument
74485 National Monument Drive
Twentynine Palms, CA 92277-3597
(619) 367-7511

Joshua Tree National Park

Geology of Joshua Tree National Park introduces students to geological concepts and to the forces creating the Park's landscape.

Programs include the following:

- **Habitats Are Where It's At** helps students define "habitat" and stresses the importance of habitats for all living things.
- **The Joshua Tree Hotel** gives students a look at the life supported by a single joshua tree and it emphasizes interrelationships.
- **The Junior Ranger Program** is a comprehensive unit introducing students to National Park Service history and philosophy, careers, and cultural and natural history of the Joshua Tree National Park. This program includes a service project.
- **The Mojave Desert Discovery Educator's Guide** provides information about the cultural and natural history of Joshua Tree National Park and four other Mojave Desert Parks.
- **Project Learning Tree**, through hands-on interdisciplinary activities, encourages students to investigate environmental issues and to make informed, responsible decisions.
- **The Oasis Ecosystem** introduces students to the interrelationship between plants, animals, and people who inhabit an oasis.
- **Project Wild Workshops** provide supplementary activities in environmental education and resource conservation with an emphasis on wildlife.
- In **Who Lives in the National Park?** students take a look at the diversity of life in the park and distinguish between wild versus domestic and living versus nonliving.
- **Who's Who and What's What?** introduces students to common desert plants and animals.

Carol Peterson, Education Specialist
Joshua Tree National Park
9800 Black Rock Canyon Road
Yucca Valley, CA 92284
(619) 365-2371

Lassen Volcanic National Park

The National Park Education Program provides students with a variety of structured and educational activities designed to enhance their understanding of the natural and cultural history of Lassen Volcanic National Park. The program also strives to increase the participant's understanding of the importance and values of the National Park System. In addition, the park offers guided walks, lectures, a museum, and hands-on activities that focus on anthropological and geological aspects of the park. In-school presentations may be requested.

The Winter Ecology Snowshoe Program is designed to increase student awareness and understanding of the interrelationships of the plant and animal communities of Lassen in winter. The program is also designed to introduce students to the importance of snow and the role it plays in the environment. Students learn the proper way to snowshoe as well as winter survival skills.

Steve Zachary, Education Coordinator
Division of Interpretation
Lassen Volcanic National Park
PO Box 100
Mineral, CA 96063-0100
(916) 595-4444 / Fax: (916) 595-3262

Lava Beds National Monument

Programs include guided walks that focus on anthropological and geological aspects of the park.

Yvonne McMillan, Interpretative Ranger
Lava Beds National Monument
PO Box 867
Tulelake, CA 96134
(916) 667-2282

Menlo Park Earth Science Information Center

The center offers information and sales service for U.S. Geological Survey map products and Earth science publications.

Menlo Park Earth Science Information
Center
Building 3, Room 3128, MS 532
345 Middlefield Road
Menlo Park, CA 94025-3591
(415) 329-4309

Minerals Management Service (MMS) Regional Office

The MMS Regional Office provides a range of educational services. Teacher inservice programs and classroom visitations may include supplemental materials. Availability may be limited, but arrangements may be made for duplication of some materials at minimal cost.

Royalty Management Program
Minerals Management Service
Office of Public Affairs
1201 Elmwood Park Boulevard, MS 500
PO Box 25165
Lakewood, CO 80225
(303) 231-3162 / Fax: (303) 231-3780

Pacific Outer Continental Shelf Region
Minerals Management Service
Education Coordinator
770 Paseo Camarillo, MS 7000
Camarillo, CA 93010
(805) 389-7520
1-800-6PAC-OCS / Fax: (805) 389-7526

Muir Woods National Monument

Discovery Packs are backpacks designed to provide a self-guided, hands-on learning experience for school groups (grades K–8, by reservation) and families (on a drop-in basis). The backpacks contain an activity guide and a variety of tools that can be used to explore the park.

In the Junior Ranger Ecology Hike, junior rangers ages 8–11 accompany a staff member on a strenuous four-mile hike to explore the diverse ecological communities of Muir Woods and surrounding Mount Tamalpais State Park.

Mia Monroe, Interpretive Specialist
Muir Woods National Monument
Mill Valley, CA 94941
(415) 388-2596 / Fax: (415) 389-6957

New Melones Lake

The Visitor Center offers an interpretive program on the historical and archaeological cultural resources at the New Melones Project.

Jeff McCracken
Public Affairs Office, Mid-Pacific Region
Bureau of Reclamation
Federal Office Building
2800 Cottage Way
Sacramento, CA 95825-1846
(916) 979-2837

Pinnacles National Monument

In the Junior Park Management program, students are introduced to the management of National parks, their organization, philosophy, the National Park Service (NPS) mission, and responsibility to future generations. Students learn what their responsibilities are as owners and users of public lands. The partnership between the NPS and students is emphasized.

William Lester, Chief Ranger
Pinnacles National Monument
Paicine, CA 95043
(408) 389-4485 / Fax: (408) 389-4489

Point Reyes National Seashore

Both the South and North Districts of the seashore offer environmental education programs for teachers and students. The Clem Miller Environmental Education Center is available to educators and students for a five-day wilderness awareness program.

Other programs include the following:

- **Habitat Trek: The Next Generation**, a one-mile walk through fields and forest, involves children in games and activities. A variety of habitats are explored, and children learn about the importance and interdependence of all life forms.
- **Bird Rap**, an auditorium-based program, gives students the opportunity to meet a live western screech owl. Topics covered include bird adaptations, especially habits of raptors, and the conservation of habitats.
- **Shake, Rattle, and Roll** introduces students to earthquake preparedness, the theory of plate tectonics, and the geology of the Point Reyes Peninsula through an active hands-on walk along the half-mile, accessible Earthquake Trail.
- **Whale Watching at the Headlands** focuses on the physical adaptations that the migrating California gray whales need to undertake their lengthy journey. Tips on viewing gray whales off the coast are also given.

John A. Dell'Osso, Acting Chief of
Interpretation
Point Reyes National Seashore
Point Reyes Station, CA 94956
(415) 663-8522 / Fax: (415) 663-8132

Project Water Education for Teachers (WET)

Project WET is an interdisciplinary water education program intended to supplement a school's existing curriculum. Classroom-ready teaching aides being developed include activity guides and modules for grades K–12, computer simulations, water-history publications, groundwater flow models, and a series of children's story and action books.

Rita Sudman
Water Education Foundation
717 K Street, Suite 517
Sacramento, CA 95814
(916) 444-6240

Project WILD

Project WILD offers teacher training and educational materials. Teacher guides, free to teachers who attend the training session, contain more than 80 supplementary, interdisciplinary activities for grades K–12.

Elena Tarailo, Project WILD Coordinator
California Department of Fish and Game
1416 Ninth Street
Sacramento, CA 95814
(916) 653-9843 / Fax: (916) 653-1856

Redwood National Park

Field seminars supplement park interpretation by providing concentrated field study of the natural and cultural history of the coast redwood ecosystem.

Programs include the following:

- **The Howland Hill Outdoor School** introduces students to coast redwood and stream ecology of the park. One- to three-day programs are available. The programs match the Del Norte County School District curriculum goals for science and some history themes. There is a one-day teacher workshop.
- **Wolf Creek Outdoor School** is a curriculum-based program on coastal redwood forests and prairie community for elementary school children. There is a pre-visit video and curriculum guide. The programs are ranger-led at the site on stream ecology, redwood trees, and prairies.

Kim Sikoryak, Chief Interpreter
Redwood National Park
1111 Second Street
Crescent City, CA 95531
(707) 464-6101 / Fax: (707) 464-1812

Sacramento National Wildlife Reserve

Educators use the Discovery Pack to guide students on a wetlands walk within the Sacramento National Wildlife Refuge.

Denise Dachner
Outdoor Recreation Planner
Sacramento NWR
752 County Road 99W
Willows, CA 95988
(916) 934-2801 / Fax: (916) 934-7814

San Francisco Bay National Wildlife Refuge

An environmental education center in the refuge offers extensive programs for students and teachers. Interpretive trails and other services are also available.

Public Use Manager
San Francisco Bay National Wildlife Refuge
PO Box 524
Newark, CA 94560
(510) 792-0222 / Fax: (510) 792-5828

San Luis Reservoir

The Visitor Center offers interpretive tours and exhibits of this joint State-Federal reclamation project.

Jeff McCracken
Public Affairs Office, Mid-Pacific Region
Bureau of Reclamation
Federal Office Building
2800 Cottage Way
Sacramento, CA 95825-1846
(916) 979-2837

Santa Monica Mountains Recreation Area

Introduction to Parks as Laboratories: Studies in Air, Water, and the Land is a two-part program in which educators learn organizational skills for field labs; practice laboratory techniques; and operate tools and equipment used for scientific studies in air, water, and the land. Topics include using the "Discovery Scope"; soil, water, and air testing; basic compass and orienteering; measuring weather; and using the metric system. A version of the program that offers hands-on experiences for students is also available.

Lorenza Fong, Branch Chief of Interpretation
Santa Monica Mountains Recreation Area
30401 Agoura Road, Suite 100
Agoura Hills, CA 91301
(818) 597-1036, ext. 254
Fax: (818) 597-8357

Sequoia and Kings Canyon National Parks

These parks offer guided tours, lectures, and environmental education activities, as well as in-class presentations.

Division of Interpretation
Sequoia and Kings Canyon National Parks
Three Rivers, CA 93271-9700
(209) 565-3131

Shasta Dam

The Visitor Center offers tours and exhibits of the dam's construction, the management of the Central Valley Project, and the area's fish and wildlife resources.

Jeff McCracken
Public Affairs Office, Mid-Pacific Region
Bureau of Reclamation
Federal Office Building
2800 Cottage Way
Sacramento, CA 95825-1846
(916) 979-2837

Yosemite National Park

The park has several educational programs:

- **Classrooms in the Park—School Program** allows school classes to spend one or two hours with a park ranger and/or a member of Yosemite's Indian Culture staff. Spring classes focus on natural history; fall themes are based on cultural history. Materials presented are correlated to California State frameworks and include a National Park Service message of protection and preservation. All material can be adapted for groups with special needs.
- **Commencement 2000** is an invitational program that allows inner-city school students to explore careers with natural resource agencies. The program is sponsored by several agencies, including National Park Service, the Bureau of Land Management, U.S. Fish and Wildlife Service, the Bureau of Reclamation, and the California Department of Fish and Game.
- **Discover Yosemite: A Teacher Guide to the Park** provides a self-guided way for teachers to visit the park with a class. Included are ideas on how to plan a trip; where to find features and help; maps; background information; resources; activities to do before, during, and after the visit; and education programs description.
- **The Environmental Living Program** permits students to stay overnight at the Pioneer History Center and assume the roles of historical people who influenced the development and protection of Yosemite National Park. The focus of the program is the mock establishment of a National park. An overnight workshop for teachers is required.
- **The Junior/Senior Ranger Program** allows Junior Rangers (ages 8–10) and Senior Rangers (ages 11–12) to experience nature through interactive learning during a three-hour class with a park ranger. Classes are held in Yosemite Valley for Junior and Senior Rangers and in Tuolvmne Meadows for Senior Rangers only. Various topics are explored, such as American Indians, habitats, and water cycle/pond life. Junior and Senior Rangers also attend regular ranger-led interpretive programs.
- **The Teacher Intern Program** brings teachers to Yosemite to live for five weeks in the summer while developing curriculum-based programs related to the natural and cultural history of the park. The results are made available to teachers outside the park. Programs are hands-on, interactive, and interdisciplinary.

Betsey Clopine, Education Specialist
Yosemite National Park
Education Program
PO Box 577
Yosemite, CA 95389
(209) 372-0644 / Fax: (209) 372-0458

▶ Department of Labor (DOL)

Job Training Partnership Act (JTPA) Liaison

The JTPA Liaison can provide information about the Job Training Partnership Act State and local programs for economically disadvantaged adults and youth.

Thomas Nagle, Director
California Department of Employment
Development
800 Capitol Mall, MIC 83
Sacramento, CA 95814
(916) 654-8210 / Fax: (916) 657-5294

▶ Department of Transportation (DOT)

Federal Aviation Administration (FAA) Aviation Education

The FAA Aviation Education Representative coordinates aviation education services, including materials and programs for the FAA in the States assigned to the region.

Programs include the following:

- **The Aviation Career Education (ACE) Academy** is a one-week summer aviation education program for high school students sponsored by the FAA along with a host educational institution. The program provides students with diverse experiences in aviation career exploration. The focus is on aviation career clusters identified by FAA, with an emphasis on opportunities for women and minorities. A goal is to have one program in each State and U.S. Territory. The FAA will conduct regional leadership workshops and provide funds based on the availability of resources.
- **Aviation Education Workshops for Teachers** provide teachers with information on FAA aviation programs and mate-

rials and prepare them to teach aviation in the classroom. Annual workshops are conducted at colleges and universities across the Nation. The FAA provides information, materials, and speakers for the program.

- **National Congress on Aviation and Space Education** is sponsored annually by the FAA in partnership with the National Aeronautics and Space Administration and the Civil Air Patrol. The meeting includes teacher workshops and crosstalk sessions to exchange ideas on promoting aerospace education.

Sandi Couverley, AWP-17F, FAA Aviation Education Representative
PO Box 92007
Worldway Postal Center
Los Angeles, CA 90009
(310) 297-0556 / Fax: (310) 297-0706

FAA Aviation Education Resource Centers

Located at colleges, museums, and State aviation authority offices, these centers function as information distribution centers for Federal Aviation Administration education materials and resources. The Resource Centers maintain and provide quantities of printed materials, videotapes, and computer educational software. Center personnel can also provide general information, conduct workshops, and make aviation-related presentations.

Rick Piercy, Coordinator
Aviation Education Resource Center
Apple Valley Science and Technology Center
PO Box 2968, 15552 Wichita
Apple Valley, CA 92307
(619) 242-3514

Nick Milichevich, Chairman
Aviation Education Resource Center
San Jose State University
Department of Aviation
1 Washington Square
San Jose, CA 95192-0081
(408) 924-6580

Harvey Ferer
Aviation Education Resource Center
Museum of Flying
2772 Donald Douglas Loop North
Santa Monica, CA 90405
(310) 392-8822

Nancy Harlan, Coordinator
Aviation Education Resource Center
San Bernardino County Superintendent of Schools
Instructional Services Division
601 North East Street
San Bernardino, CA 92410-3093
(714) 387-3152

Mary Ann Liette, Coordinator
Aviation Education Resource Center
Riverside County Office of Education
3939 13th Street
Riverside, CA 92502-0868
(909) 788-6684

Toni Brown
Aviation Education Resource Center
Campbell County School District Media Services
525 W. Lakeway Road
Gillette, WY 82718
(307) 682-3144

Karen Tozlian
Fresno Unified School District Instructional Media Center
3132 E. Fairmont
Fresno, CA 93725
(209) 441-3672

▶Environmental Protection Agency (EPA)

EPA Regional Office

This office takes part in a variety of environmental education programs for both teachers and students. Programs range from teacher workshops and student contests to in-school presentations. Information on environmental issues is also available through the Public Information Center located at the office.

Stacey Benfer, Environmental Education Coordinator
Environmental Protection Agency (EPA)
75 Hawthorne Street (E-2)
San Francisco, CA 94105
(415) 744-1586 / Fax: (415) 744-1605

The President's Environmental Youth Awards (PEYA) Program

Young people from each State are invited to participate in PEYA, a nationwide program designed to encourage individuals, school classes, summer camps, public interest groups, and youth organizations to promote environmental awareness and community involvement. The two components of the program are the regional certificate program and the National awards competition. Regional certificates, signed by the President, are awarded to each participant by EPA regional offices. National individual project winners, or one representative from a National award-winning group project, along with one sponsor, are honored at EPA headquarters in Washington, DC. Interested K–12 individuals or groups may obtain application materials and contest rules by contacting the EPA Regional Office that serves their State. PEYA has been an ongoing project since it was created by the White House Office of Education and the EPA in 1971.

EPA Region 9
75 Hawthorne Street (E-2)
San Francisco, CA 94105
(415) 744-1582 / Fax: (415) 744-1605

▶National Aeronautics and Space Administration (NASA)

NASA Educator Resource Center

The center has NASA-related educational materials in various formats, including laserdiscs, CD-ROMs, videotapes, slides, audiotapes, publications, and teacher guides. Educators may preview or copy NASA materials upon request.

Edmond Burke, President
Endeavor Center at Space Information Laboratories, Inc.
NASA Educator Resource Center
Maple High School, Lompoc U.S.D.
PO Box 5090
Vandenburg AFB, CA 93437
(805) 735-5131

NASA Dryden Flight Research Center
Public Affairs Office (Tri.42)
NASA Educator Resource Center
Edwards AFB, CA 93523-0273
(805) 258-3456

NASA Jet Propulsion Laboratory
Educator Resource Center
JPL Teaching Resource Center
4800 Oak Grove Drive, Mail Code CS-530
Pasadena, CA 91109-8099
(818) 354-6916

NASA Ames Research Center
Educator Resource Laboratory
Educator Resource Center, MS T12-A
Moffett Field, CA 94035-1000
(415) 604-3574

NASA Field Centers

Each field center has an educational programs officer who is responsible for precollege education programs. In addition to administering National programs, the center offers programs and services to meet regional and local needs.

Eugene L. Duke, Technology Commercialization Officer
Public Affairs Office, Trl. 42
NASA Dryden Flight Research Facility
Edwards AFB, CA 93523-0273
(805) 258-3802

Fred Shair, Manager
Educational Affairs Office
NASA Jet Propulsion Laboratory
4800 Oak Grove Drive, Mail Code 183-900
Pasadena, CA 91109
(818) 354-8251

Garth A. Hull, Chief
Educational Programs Branch
NASA Ames Research Center, MS 204-12
Moffett Field, CA 94035
(415) 604-5543

Space Grant Consortium

The Space Grant Consortium in each State consists of colleges, universities, industry, and other organizations that have an interest in aeronautics and space education. Each consortium receives NASA funds for use in implementing a balanced program of research, education, and public service.

California Space Grant Consortium
University of California at San Diego
California Space Institute
9500 Gilman Drive, Mail Code 0524
LaJolla, CA 92093-0524
(619) 534-5869

NASA Regional Educator Resource Center (RERC)

To offer more educators the opportunity to visit the Educator Resource Center Network (ERCN), NASA forms partnerships with planetariums, universities, museums, and other nonprofit organizations to serve as RERCs. Teachers may preview or copy NASA materials upon request.

NASA San Joaquin Valley Regional Educator Resource Center
California State University at Fresno, MS 01
5005 North Maple Avenue
Fresno, CA 93740-0001
(209) 278-0355

▶ National Science Foundation (NSF)

Statewide Systemic Initiatives Program

Bringing together top State leadership, California's Statewide Systemic Initiatives Program is addressing barriers to improving K–6 science education and middle school mathematics education, with an emphasis on the full participation of underrepresented groups. Other objectives include gaining public support, developing and promoting elementary science instruction, and making mathematics curriculum and instruction consistent with National Council of Teachers of Mathematics standards.

Victor Cary, Director
California Alliance for Mathematics and Science
300 Lakeside Drive
18th Floor
Oakland, CA 94612-3550
(510) 987-0979 / Fax: (510) 987-9612

Nevada

▶ Department of Agriculture (USDA)

4-H State Leader

The State 4-H Youth Development Programs are administered by the Cooperative Extension Service at land-grant universities. State 4-H leaders coordinate outreach services and training to all county offices.

Dr. Janet Usinger-Lesquereux, Assistant Director
Statewide Administration Office
2317-A Renaissance Drive
935 East Sahara Avenue
Las Vegas, NV 89119
(702) 795-0767 / Fax: (702) 795-2376
E-mail: usingerj@fs.scs.unr.edu

Ag in the Classroom State Leader

This program promotes increased understanding of agriculture and possible careers in the agricultural sciences. With National leadership provided by USDA, each State manages its own programs, with assistance from agribusiness, educational institutions, and government.

Ben Damonte
Nevada Ag in the Classroom Task Force
1300 Marietta Way
Sparks, NV 89431
(702) 853-6464

▶ Department of Defense (DoD)

Naval Base, San Diego

The base participates in the Navy Community Service Program through formation of partnerships with schools and other youth organizations throughout southern California, Arizona, Hawaii, and Nevada.

COMNAVBASE, San Diego CA
Commander, Naval Base
937 North Harbor Drive
Code 012
San Diego, CA 92132-5100
(619) 532-1514

▶ Department of Education (ED)

Eisenhower State Coordinators

Eisenhower State Coordinators administer the Eisenhower Professional Development Program State Formula grants. The program focuses on sustained and intensive high-quality professional development through inservice programs.

Holly Walton-Buchanan
Eisenhower Professional Development Program
Nevada Department of Education
Capitol Complex
Carson City, NV 89710
(702) 687-3136 / Fax: (702) 687-5660

Eisenhower State Coordinators for Higher Education

Eisenhower State Coordinators oversee the Eisenhower Professional Development State Formula Grants for the State Agency for Higher Education (SAHE). The program focuses on teacher enhancement through both inservice and preservice programs.

Mike Hardie
Eisenhower Professional Development Program
University and Community College System of Nevada
2601 Enterprise Road
Reno, NV 89512
(702) 784-4022 / Fax: (702) 784-1127

Pacific and Southwest Technology in Education Consortium (PSR*TEC)

ED established the Regional Technology in Education Consortia (R*TEC) program in the fall of 1995 to help States, districts, schools, adult literacy centers, and other educational institutions use advanced technology to support improved teaching and student achievement. R*TEC's role in educational technology is unique in two ways: the emphasis is regional and the primary goal is to ensure that technology is used effectively to support school reform. Program strategies include professional development, technical assistance, and information dissemination.

Kevin Rocap, Director,
PSR*TEC
Center for Language Minority Education and Research
c/o College of Education
California State University, Long Beach
1250 Bellflower Boulevard
Long Beach, CA 90840-2201
(310) 985-1570 / Fax: (310) 985-4528
E-mail: krocap@csulb.edu
WWW: http://www.csulb.edu/~clmer/pswrtc/pswrtc.html

Neal Kaske, R*TEC Project Officer
U.S. Department of Education
Office of Educational Research and Improvement
Office of Library Programs, Room 300h
555 New Jersey Avenue NW
Washington, DC 20208-5571
(202) 219-1871
E-mail: nkaske@inet.ed.gov

WestEd Eisenhower Regional Consortium for Science and Mathematics Education

The Eisenhower Regional Consortium provides information and technical assistance to help States and school districts improve mathematics and science education.

Art Sussman and Steve Schneider, Co-Directors
WestEd Eisenhower Regional Consortium for Science and Mathematics Education
730 Harrison Street
San Francisco, CA 94107-1242
(415) 565-3000 / Fax: (415) 241-2746
WWW: http://www.wested.org/werc/

WestEd Regional Educational Laboratory

WestEd identifies effective teaching techniques and school improvement efforts within the region and shares this information with State and local educators.

Dean H. Nafziger, Executive Director
WestEd Regional Educational Laboratory
730 Harrison Street
San Francisco, CA 94107-1242
(415) 565-3000 / Fax: (415) 565-3012

▶Department of Energy (DOE)

Bechtel Nevada

Bechtel Nevada offers college scholarships to selected science students and sponsors academic contests, outreach programs, science fairs, and a career day.

Dawn Merritt, Communications Manager
Bechtel Nevada
Office of Public and Employee Communications
PO Box 98521, M/S - 0039
Las Vegas, NV 89193-8521
(702) 295-5792 / Fax: (702) 295-1859
E-mail: meritdl@doe.nv.gov

▶Department of the Interior (DOI)

Bureau of Land Management State Office

This office provides information about educational programs, materials, and local land-management issues.

Education Coordinator
Bureau of Land Management
PO Box 12000, 850 Harvard Way
Reno, NV 89520-0006
(702) 785-6586

Bureau of Reclamation Environmental Education

A variety of environmental subjects, with an emphasis on water resources, is offered to teachers and students in grades K–12. Subjects vary from groundwater model to instant snow storms and wetlands in a pan. Programs are presented in the classroom as well as outdoors at laboratory schools, summer camps, and at some visitor centers. The program currently operates in the States of California, Colorado, Montana, Nevada, Idaho, and Utah.

Theresa Taylor, Environmental Education Program Assistant
Denver Federal Center, D-5100
Building 67
Denver, CO 80225
(303) 236-9336, ext. 262
Fax: (303) 236-3573

The Desert Tortoise Multi-Agency Exhibit Project: Win the Race Against Extinction

This is a multi-agency effort to provide California and Nevada public schools with educational materials. The exhibit includes portable display boards with photos and text, exhibit kits containing freeze-dried tortoise and tortoise shells showing predation and degradation, plants eaten by the tortoise, posters, videos, teacher guide, bookmarks, trading cards, etc.

Mary Webb, Writer/Editor
Regional Office
Division of Environment
PO Box 61470
Boulder City, NV 61470
(702) 293-8704 / Fax: (702) 293-8023

Great Basin National Park

In addition to guided nature walks, the park offers a Junior Ranger Program that emphasizes ecology, conservation, and biology. A teacher's workshop is designed to orient local and regional educators to the opportunities and potentials of the Great Basin as an outdoor classroom.

Terry Baldino, Interpretive Specialist
Great Basin National Park
Baker, NV 89311
(702) 234-7331 / Fax: (702) 234-7269

Hoover Dam

The program Hoover Dam Helps Prepare Its Future is designed to educate the diverse public about our facilities by sharing awareness, knowledge, and hands-on experiences.

Linda Rivera, Special Program Assistant
PO Box 60400
Boulder City, NV 89006-0400
(702) 293-8333 / Fax: (702) 293-8297

Lake Mead National Recreation Area

Environmental educational programs are offered for grades 1–6. Pre- and post-visit curriculum materials are provided. For example, in Desert Connections, students are introduced to concepts that build on the previous grade material in an integrated curriculum that brings students into contact with the Mohave Desert. The program length is 2.5 hours in the park.

Kay Rhode, Chief of Interpretation
Lake Mead National Recreation Area
601 Nevada Highway
Boulder City, NV 89005
(702) 293-8918 / Fax: (702) 293-8936

Project Water Education for Teachers (WET)

Project WET is an interdisciplinary water education program intended to supplement a school's existing curriculum. Classroom-ready teaching aides being developed include activity guides and modules for grades K–12, computer simulations, water-history publications, groundwater flow models, and a series of children's story and action books.

Everett A. Jesse, Administrator
Division of Water Planning
Capitol Complex, 123 West Nye Lane
Carson City, NV 89710
(702) 687-3600

Project WILD

Project WILD offers teacher training and educational materials. Teacher guides, free to teachers who attend the training session, contain more than 80 supplementary, interdisciplinary activities for grades K–12.

Dave Sanger, Project WILD Coordinator
Division of Wildlife
1100 Valley Road
Reno, NV 89520
(702) 688-1555 / Fax: (702) 688-2939

Suzanne Sturtevant, Project WILD Coordinator
Division of Wildlife
4747 West Vegas Drive
Las Vegas, NV 89108
(702) 486-5127 / Fax: (702) 486-5133

Stillwater National Wildlife Refuge

Junior Duck Stamp Design Contest promotes conservation and waterfowl learning through the arts. Students in grades K–12 enter art designs on waterfowl for competition at the State level. The winners go on to compete in the National contest.

Anne Janik, Wildlife Biologist
Stillwater NWR
PO Box 1236
Fallon, NV 89407
(702) 423-5128 / Fax: (702) 423-0416

▶Department of Labor (DOL)

Job Training Partnership Act (JTPA) Liaison

The JTPA Liaison can provide information about the Job Training Partnership Act State and local programs for economically disadvantaged adults and youth.

Barbara Weinberg, Executive Director
Nevada State Job Training Office
Capitol Complex, 400 West King
Carson City, NV 89710
(702) 687-4310 / Fax: (702) 687-3957

▶Department of Transportation (DOT)

Federal Aviation Administration (FAA) Aviation Education

The FAA Aviation Education Representative coordinates aviation education services, including materials and programs for the FAA in the States assigned to the region.

Programs include the following:

- **The Aviation Career Education (ACE) Academy** is a one-week summer aviation education program for high school students sponsored by the FAA along with a host educational institution. The program provides students with diverse experiences in aviation career exploration. The focus is on aviation career clusters identified by FAA, with an emphasis on opportunities for women and minorities. A goal is to have one program in each State and U.S. Territory. The FAA will conduct regional leadership workshops and provide funds based on the availability of resources.
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Sandi Couverley, AWP-17F, FAA Aviation Education Representative
PO Box 92007
Worldway Postal Center
Los Angeles, CA 90009
(310) 297-0556 / Fax: (310) 297-0706

FAA Aviation Education Resource Centers

Located at colleges, museums, and State aviation authority offices, these centers function as information distribution centers for Federal Aviation Administration education materials and resources. The Resource Centers maintain and provide quantities of printed materials, videotapes, and computer educational software. Center personnel can also provide general information, conduct workshops, and make aviation-related presentations.

Frankie Lukasko
Aviation Education Resource Center
Galena High School Community Library
3600 Butch Cassidy Way
Reno, NV 89511
(702) 851-5630

▶Environmental Protection Agency (EPA)

EPA Regional Office

This office takes part in a variety of environmental education programs for both teachers and students. Programs range from teacher workshops and student contests to in-school presentations. Information on environmental issues is also available through the Public Information Center located at the office.

Stacey Benfer, Environmental Education Coordinator
Environmental Protection Agency
75 Hawthorne Street (E-2)
San Francisco, CA 94105
(415) 744-1586 / Fax: (415) 744-1605

The President's Environmental Youth Awards (PEYA) Program

Young people from each State are invited to participate in PEYA, a nationwide program designed to encourage individuals, school classes, summer camps, public interest groups, and youth organizations to promote environmental awareness and community involvement. The two components of the program are the regional certificate program and the National awards competition. Regional certificates, signed by the President, are awarded to each participant by EPA regional offices. National individual project winners, or one representative from a National award-winning group project, along with one sponsor, are honored at EPA headquarters, Washington, DC. Interested K–12 individuals or groups may obtain application materials and contest rules by contacting the EPA Regional Office that serves their State. PEYA has been an ongoing project since it was created by the White House Office of Education and the EPA in 1971.

EPA Region 9
75 Hawthorne Street (E-2)
San Francisco, CA 94105
(415) 744-1582 / Fax: (415) 744-1605

▶National Aeronautics and Space Administration (NASA)

NASA Educator Resource Center

The center has NASA-related educational materials in various formats, including laserdiscs, CD-ROMs, videotapes, slides, audiotapes, publications, and teacher guides. Educators may preview or copy NASA materials upon request.

NASA Ames Research Center
Educator Resource Laboratory
Educator Resource Center
Mail Stop T12-A
Moffett Field, CA 94035-1000
(415) 604-3574

NASA Field Centers

Each field center has an educational programs officer who is responsible for precollege education programs. In addition to administering National programs, the center offers programs and services to meet regional and local needs.

Garth A. Hull, Chief
Educational Programs Branch
NASA Ames Research Center, MS 204-12
Moffett Field, CA 94035
(415) 604-5543

NASA Regional Educator Resource Center (RERC)

To offer more educators the opportunity to visit the Educator Resource Center Network (ERCN), NASA forms partnerships with planetariums, universities, museums, and other nonprofit organizations to serve as RERCs. Teachers may preview or copy NASA materials upon request.

Community College of Southern Nevada
NASA/Nevada Regional Teacher
Resource Center-C2A
Learning Resource Center, Room 2100F
3200 East Cheyenne Avenue
North Las Vegas, NV 89030-4296
(702) 651-4505

Space Grant Consortium

The Space Grant Consortium in each State consists of colleges, universities, industry, and other organizations that have an interest in aeronautics and space education. Each consortium receives NASA funds for use in implementing a balanced program of research, education, and public service.

Nevada Space Grant Consortium
Desert Research Institute
755 East Flamingo Road, Room 285
Las Vegas, NV 89132-0400
(702) 895-0408

Utah

▶Department of Agriculture (USDA)

4-H State Leader

The State 4-H Youth Development Programs are administered by the Cooperative Extension Service at land-grant universities. State 4-H leaders coordinate outreach services and training to all county offices.

John Paul Murphy, State 4-H Program
Leader
Utah State University
Logan, UT 84322-4900
(801) 797-2199 / Fax: (801) 797-3268
E-mail: johnm@ext.usu.edu

Ag in the Classroom State Leader

This program promotes increased understanding of agriculture and possible careers in the agricultural sciences. With National leadership provided by USDA, each State manages its own programs, with assistance from agribusiness, educational institutions, and government.

Debra Spielmaker
Utah State University
UMC 2315
Logan, UT 84322-2315
(801) 797-1657 / Fax: (801) 538-7126

▶Department of Defense (DoD)

Hill Aerospace Museum

The museum exhibits the history and technology involved in both aeronautics and aerospace. Tours and previsit curriculum materials are available upon request.

Hill Aerospace Museum
7961 Wardleigh Road
75ABG / MU
Hill Air Force Base, UT 84056-5842
(801) 777-6868

▶Department of Education (ED)

Eisenhower State Coordinators

Eisenhower State Coordinators administer the Eisenhower Professional Development Program State Formula grants. The program focuses on sustained and intensive high-quality professional development through inservice programs.

Brett Moulding
Eisenhower Professional Development
Program
Utah Department of Education
250 East 500 South
Salt Lake City, UT 84111
(801) 538-7791 / Fax: (801) 538-7769

Eisenhower State Coordinators for Higher Education

Eisenhower State Coordinators oversee the Eisenhower Professional Development State Formula Grants for the State Agency for Higher Education (SAHE). The program focuses on teacher enhancement through both inservice and preservice programs.

Dr. Phyliss Safman, Assistant Commissioner
Eisenhower Professional Development
Program
Utah State Board of Regents
Three Triad Center, Suite 550
Salt Lake City, UT 84180-1205
(801) 321-7101 / Fax: (801) 321-7199

Pacific and Southwest Regional Technology in Education Consortium (PSR*TEC)

ED established the Regional Technology in Education Consortia (R*TEC) program in the fall of 1995 to help States, districts, schools, adult literacy centers, and other educational institutions use advanced technology to support improved teaching and student achievement. R*TEC's role in educational technology is unique in two ways: the emphasis is regional and the primary goal is to ensure that technology is used effectively to support school reform. Program strategies include professional development, technical assistance, and information dissemination.

Kevin Rocap, Director
PSR*TEC
Center for Language Minority Education &
Research
c/o College of Education
California State University, Long Beach
1250 Bellflower Boulevard
Long Beach, CA 90840-2201
(310) 985-1570 / Fax: (310) 985-4528
E-mail: krocap@csulb.edu
WWW: http://www.csulb.edu/~clmer/
pswrtc/pswrtc.html

Neal Kaske, R*TEC Project Officer
U.S. Department of Education
Office of Educational Research and
Improvement
Office of Library Programs, Room 300h
555 New Jersey Avenue NW
Washington, DC 20208-5571
(202) 219-1871
E-mail: nkaske@inet.ed.gov

WestEd Eisenhower Regional Consortium for Science and Mathematics Education

The Eisenhower Regional Consortium provides information and technical assistance to help States and school districts improve mathematics and science education.

Art Sussman and Steve Schneider, Co-Directors
WestEd Eisenhower Regional Consortium for Science and Mathematics Education
730 Harrison Street
San Francisco, CA 94107-1242
(415) 565-3000 / Fax: (415) 241-2746
WWW: http://www.wested.org/werc/

WestEd Regional Educational Laboratory

WestEd identifies effective teaching techniques and school improvement efforts within the region and shares this information with State and local educators.

Dean H. Nafziger, Executive Director
WestEd Regional Educational Laboratory
730 Harrison Street
San Francisco, CA 94107-1242
(415) 565-3000 / Fax: (415) 565-3012

▶ Department of Energy (DOE)

Western Area Power Administration (WAPA)

WAPA conducts the Regional Science Bowl, an academic competition sponsored by DOE and the community. Held each February, the Bowl encourages the study of science and mathematics and the pursuit of related careers. The regional winner advances to the National competition, held each spring in Washington, DC.

David Howell
Western Area Power Administration—Salt Lake City
257 East 200 South, Suite 475
Salt Lake City, UT 84111
(801) 524-6024 / Fax: (801) 524-5017

▶ Department of the Interior (DOI)

Bear River Migratory Bird Refuge

Participants in the 4-H Wildlife Habitat Evaluation Contest learn and apply wildlife management concepts and principles in a five-part contest. Junior and senior divisions allow participation of a large range of age groups. The State contest is held annually.

Other programs include the following:

- **High Summer Camp** is an interagency effort between Federal and State land management agencies and the Utah State University to introduce high school students to college requirements and career opportunities in natural resource fields. The program is specifically designed to interest workforce diversity candidates in natural resource careers.
- **Wetland Education Trunks** contains lesson guides, materials, and equipment for in-classroom and onsite exploration of wetlands. Everything is packaged in a trunk and shipped from school to school. Lessons are grade-specific and encourage outside exploration.

Mark Lanier, Refuge Operations Specialist
Vickie Roy, Wildlife Biologist
Bear River Migratory Bird Refuge
866 South Main
Brigham City, UT 84302
(801) 723-5887 / Fax: (801) 723-8873

Bryce Canyon National Park

Classroom and in-park activities are centered on geology and natural and cultural history of the park.

Susan Colclazer, Chief of Interpretation
Bryce Canyon National Park
Bryce Canyon, UT 84717
(801) 834-5322 / Fax: (801) 834-5215
E-mail: Susan Colclazer@nps.gov

Bureau of Land Management State Office

This office provides information about educational programs, materials, and local land-management issues.

Jeanne Moe, Archaeologist
Bureau of Land Management
PO Box 45155
Salt Lake City, UT 84145-0155
(801) 539-4060
(800) 722-3988

Bureau of Reclamation Environmental Education

A variety of environmental subjects, with an emphasis on water resources, is offered to teachers and students in grades K–12. Subjects vary from groundwater model to instant snow storms and wetlands in a pan. Programs are presented in the classroom as well as outdoors at laboratory schools, summer camps, and at some visitor centers. The program currently operates in the States of California, Colorado, Montana, Nevada, Idaho, and Utah.

Theresa Taylor, Environmental Education Program Assistant
Denver Federal Center, D-5100
Building 67
Denver, CO 80225
(303) 236-9336, ext. 262
Fax: (303) 236-3573

Capitol Reef National Park

The park offers a Teacher's Resource Guide, a workbook offering lesson plans and slide sets to teach the following topics: archaeology, geology, desert flora/fauna, pioneer history, and National Park Service.

Diane Gifford, Education/Outreach Coordinator
Capitol Reef National Park
Torrey, UT 84775
(801) 425-3791 / Fax: (801) 425-3791

Dinosaur National Monument

Onsite student programs and in-school presentations target primarily students in grades 3–6. Information is provided on resource issues related to school curricula.

Division of Interpretation
Dinosaur National Monument
PO Box 128
Jensen, UT 84035
(970) 374-3000

DOI Regional Office

In the Groundwater Model Demonstration and Lecture, individuals visit schools and groups to provide a demonstration of a groundwater flow model. They discuss all aspects of groundwater management issues. The model is a "cut-away," which allows people to see why and how water moves, effects of pumping, and pollution.

The Water Education Calendar program publishes original artwork on water themes by Utah school children. The calendar includes teacher lessons and activities on water education topics.

Barry Wirth, Public Affairs Officer
Salt Lake City Regional Office
125 S. State Street, Room 7006
Salt Lake City, UT 84138-1102
(801) 524-6477 / Fax: (801) 524-3336

Earth Science Information Center, Salt Lake City

The center offers information and sales service for U.S. Geological Survey map products and Earth science publications.

Salt Lake City Earth Science Information Center
125 South State Street
8105 Federal Building
Salt Lake City, UT 84138-1177
(801) 524-5652

Flaming Gorge Dam

Located on the Green River, the Visitor Center offers guided and self-guided tours. Brochures in Braille and headphones are provided for individuals with visual impairments.

Jayne Kelleher
Public Affairs Office
Upper Colorado Region
Bureau of Reclamation
PO Box 11568 (UC-140)
Salt Lake City, UT 84147-0568
(801) 524-6039

Jordanelle Reservoir

The Visitor Center offers interpretive programs and nature trails.

Jayne Kelleher
Public Affairs Office
Upper Colorado Region
Bureau of Reclamation
PO Box 11568 (UC-140)
Salt Lake City, UT 84147-0568
(801) 524-6039

Project Water Education for Teachers (WET)

Project WET is an interdisciplinary water education program intended to supplement a school's existing curriculum. Classroom-ready teaching aides being developed include activity guides and modules for grades K–12, computer simulations, water-history publications, groundwater flow models, and a series of children's story and action books.

Virginia Jensen
Department of Natural Resources
Division of Water Resources
1636 West North Temple, Suite 310
Salt Lake City, UT 84116-3156
(801) 538-7299

Project WILD

Project WILD offers teacher training and educational materials. Teacher guides, free to teachers who attend the training session, contain more than 80 supplementary, interdisciplinary activities for grades K–12.

Bob Ellis, Project WILD Coordinator
Utah Division of Wildlife Resources
1596 West North Temple
Salt Lake City, UT 84116-3195
(801) 538-4720 / Fax: (801) 538-4709

Strawberry Reservoir

Guided and self-guided nature trails are available at the Strawberry Reservoir Visitor Center.

Jayne Kelleher
Public Affairs Office
Upper Colorado Region
Bureau of Reclamation
PO Box 11568 (UC-140)
Salt Lake City, UT 84147-0568
(801) 524-6039

Zion National Park

Programs include guided nature walks that focus primarily on environmental education. A Junior Ranger Program is also available.

Zion Outreach Programs provide curriculum-based, hands-on educational programs to local area schools. The current programs target grades 1–6. The program consists of pre- and post-visit information and materials available to the teachers and an onsite visit by a ranger or a field trip to the park.

Andrea Bornemeier
Park Ranger—Education Director
Zion National Park
Springdale, UT 84767
(801) 772-3256 / Fax: (801) 772-3426

▶ Department of Labor (DOL)

Job Training Partnership Act (JTPA) Liaison

The JTPA Liaison can provide information about the Job Training Partnership Act State and local programs for economically disadvantaged adults and youth.

Gregory B. Gardner, Director
Office of Job Training for Economic
  Development
324 South State Street, Suite 500
Salt Lake City, UT 84114-7162
(801) 538-8750 / Fax: (801) 359-3928

▶ Department of Transportation (DOT)

Federal Aviation Administration (FAA) Aviation Education

The FAA Aviation Education Representative coordinates aviation education services, including materials and programs for the FAA in the States assigned to the region.

Programs include the following:

- **The Aviation Career Education (ACE) Academy** is a one-week summer aviation education program for high-school students sponsored by the FAA along with a host educational institution. The program provides students with diverse experiences in aviation career exploration. The focus is on aviation career clusters identified by FAA, with an emphasis on opportunities for women and minorities. A goal is to have one program in each State and U.S. Territory. The FAA will conduct regional leadership workshops and provide funds based on the availability of resources.
- **Aviation Education Workshops for Teachers** provide teachers with information on FAA aviation programs and materials and prepare them to teach aviation in the classroom. Annual workshops are conducted at colleges and universities across the Nation. The FAA provides information, materials, and speakers for the program.
- **National Congress on Aviation and Space Education** is sponsored annually by the FAA in partnership with the National Aeronautics and Space Administration and the Civil Air Patrol. The meeting includes teacher workshops and crosstalk sessions to exchange ideas on promoting aerospace education.

Herman Payton, ANM-14A, FAA Aviation
  Education Representative
1601 Lind Avenue SW
Renton, WA 98055-4056
(206) 227-2079 / Fax: (206) 227-1010

FAA Aviation Education Resource Centers

Located at colleges, museums, and State aviation authority offices, these centers function as information distribution centers for Federal Aviation Administration education materials and resources. The Resource Centers maintain and provide quantities of printed materials, videotapes, and computer educational software. Center personnel can also provide general information, conduct workshops, and make aviation-related presentations.

Dr. P.R. Ron Smart, Director
Aviation Education Resource Center
Utah Valley State College
Aviation Science Department
800 West 1200 South
Orem, Utah 84058-5999
(801) 222-8000, ext. 8436

▶ Environmental Protection Agency (EPA)

EPA Regional Office

This office takes part in a variety of environmental education programs for both teachers and students. Programs range from teacher workshops and student contests to in-school presentations. Information on environmental issues is also available through the Public Information Center located at the office.

Cece Forget, Environmental Education Coordinator
Environmental Protection Agency
One Denver Place (OCPI)
999 18th Street, Suite 500
Denver, CO 80202-2405
(303) 312-6605 / Fax: (303) 312-6961

The President's Environmental Youth Awards (PEYA) Program

Young people from each State are invited to participate in PEYA, a nationwide program designed to encourage individuals, school classes, summer camps, public interest groups, and youth organizations to promote environmental awareness and community involvement. The two components of the program are the regional certificate program and the National awards competition. Regional certificates, signed by the President, are awarded to each participant by EPA regional offices. National individual project winners, or one representative from a National award-winning group project, along with one sponsor, are honored at EPA headquarters in Washington, DC. Interested K–12 individuals or groups may obtain application materials and contest rules by contacting the EPA Regional Office that serves their State. PEYA has been an ongoing project since it was created by the White House Office of Education and the EPA in 1971.

EPA Region 8
999 18th Street
Denver, CO 80202-2466
(303) 312-6605 / Fax: (303) 312-6961

▶National Aeronautics and Space Administration (NASA)

NASA Educator Resource Center

The center has NASA-related educational materials in various formats, including laserdiscs, CD-ROMs, videotapes, slides, audiotapes, publications, and teacher guides. Educators may preview or copy NASA materials upon request.

NASA Ames Research Center
Educator Resource Laboratory
Educator Resource Center, MS T12-A
Moffett Field, CA 94035-1000
(415) 604-3574

NASA Field Centers

Each field center has an educational programs officer who is responsible for precollege education programs. In addition to administering National programs, the center offers programs and services to meet regional and local needs.

Garth A. Hull, Chief
Educational Programs Branch
NASA Ames Research Center, MS 204-12
Moffett Field, CA 94035
(415) 604-5543

NASA Regional Educator Resource Center (RERC)

To offer more educators the opportunity to visit the Educator Resource Center Network (ERCN), NASA forms partnerships with planetariums, universities, museums, and other nonprofit organizations to serve as RERCs. Teachers may preview or copy NASA materials upon request.

Weber State University
NASA Regional Educator Resource Center
Curriculum Library, College of Education
Ogden, UT 84408-1302
(801) 626-7614/6279

Utah State University
College of Education
NASA Regional Educator Resource Center
Logan, UT 84322-2845
(801) 797-3377

Space Grant Consortium

The Space Grant Consortium in each State consists of colleges, universities, industry, and other organizations that have an interest in aeronautics and space education. Each consortium receives NASA funds for use in implementing a balanced program of research, education, and public service.

Rocky Mountain Space Grant Consortium
Utah State University
Department of Electrical Engineering
USU/EL 302 UMC
Logan, UT 84322-4436
(801) 750-1592

- Delaware
- District of Columbia
- Maryland
- New Jersey
- Pennsylvania

Mid-Atlantic Region

Mid-Atlantic Eisenhower Consortium for Mathematics and Science Education

Mid-Atlantic Eisenhower Consortium for Mathematics and Science Education

The Mid-Atlantic Eisenhower Consortium for Mathematics and Science Education is one of 10 established by the U.S. Department of Education. Along with the Eisenhower National Clearinghouse for Mathematics and Science Education (ENC) at The Ohio State University, the Regional Consortia form a coordinated, field-based National infrastructure to promote mathematics and science improvement. The Consortia are designed to address the realization that past mathematics and science reform efforts have been piecemeal and isolated events, and that a new approach is needed if U.S. students, indeed, are to be first in the world in mathematics and science achievement. The Mid-Atlantic Eisenhower Consortium is housed at Research for Better Schools (RBS) in Philadelphia.

Mission

The Consortium's primary mission—to support improvement in mathematics and science education by providing technical assistance and training, disseminating exemplary materials, and coordinating resources within the Mid-Atlantic region—engages groups and individuals at all levels of the educational system to help improve student performance. Technology is included as an important tool for instruction and communications among Consortium partners.

The Mid-Atlantic region is particularly rich in human technical assistance and knowledge-based resources in mathematics and science. Individuals and organizations assume active leadership roles in the Consortium teams established in each State. They include representatives from both public and private schools, State education departments, institutions of higher education, business and industry, State mathematics and science coalitions, professional associations, and such informal educational agencies as the Franklin Institute in Philadelphia and the Carnegie Science Center in Pittsburgh. These individuals and organizations bring years of experience and enormous insight into providing the technical assistance and knowledge resources so greatly needed to support the improvement of mathematics and science education.

Statewide Efforts

Through teams in each State, the Consortium sponsors technical assistance and professional development on programs and practices that embody high-performance standards, curriculum frameworks, and alternative assessment. This assistance is delivered through intensive workshops, conferences, and onsite consultation.

For example, in Delaware over the past several years, the Consortium has sponsored inservice workshops in mathematics and science that are consistent with the State's vision of new directions for education in Delaware. In the District of Columbia, the Consortium is supporting the DC Mathematics, Science, Technology Initiative (DC-MSTI). In Maryland, the Consortium has sponsored regional conferences on standards and assessment in mathematics and science education for teachers and principals. In New Jersey, the Consortium, in close collaboration with the SSI, is sponsoring public awareness activities and development of statewide science curriculum frameworks. In Pennsylvania, the Consortium has sponsored professional development programs on various topics, including elementary science teaching, equity, and the development of within-State mathematics and science collaboratives.

Regional Efforts

On a regional level, the Consortium publishes a newsletter on mathematics and science education that is distributed to 50,000 educators, thereby reaching every school building. In addition, the Consortium develops electronic resources to serve educators. These resources may be accessed through the RBS World Wide Web site, which provides detailed information about Consortium activities, services, and products, and enables users to access an extensive variety of local, regional, and National mathematics and science education resources. The Consortium also promotes communication and networking among State teams, regional groups, and educators through electronic networks and forums.

The Consortium also develops publications. For example, two publications that summarize the eighth and fourth grade results from the Third International Mathematics and Science Study (TIMSS) are currently being prepared. *Internet Jones*, an illustrated guide that helps educators understand the Internet and how it can be used in the classroom, has been completed and disseminated extensively throughout the country.

Finally, other means of communication include Mid-Atlantic regional conferences for Consortium members, State and National conference presentations, Consortium State team meetings, and information via telephone and mail.

Collaboration among the States of the region, as well as with the other Consortia and ENC, results in a whole effort that is greater than the sum of its parts. Many coordinated resources are used to achieve the goal of improved mathematics and science education in the Mid-Atlantic region.

Dr. Keith M. Kershner,
Director

Dr. William Geppert,
Senior Mathematics Associate and Pennsylvania Team Liaison

Dr. Patricia Wang-Iverson,
Senior Science Associate and DC Team Liaison

Dr. John Connolly,
New Jersey Team Liaison

Dr. Louis M. Maguire,
Maryland and Delaware Team Liaison

Stephen Bouikidis,
Dissemination Specialist

Peter Donahoe,
Resource Center Coordinator

Dr. Susan Danin,
Evaluator

Ronnen Miller,
Manager of Information Systems

Tom Lorenz,
Multimedia Information Systems Specialist

Mid-Atlantic Eisenhower Consortium for Mathematics and Science Education
Research for Better Schools
444 North Third Street
Philadelphia, PA 19123
(215) 574-9300, ext. 280
Fax: (215) 574-0133
E-mail: mathsci@rbs.org
WWW: http://www.rbs.org/eisenhower

Delaware

▶Department of Agriculture (USDA)

4-H State Leader

The State 4-H Youth Development Programs are administered by the Cooperative Extension Service at land-grant universities. State 4-H leaders coordinate outreach services and training to all county offices.

Joy G. Sparks, Interim Assistant Director
4-H Youth Development
122 Townsend Hall, University of Delaware
Newark, DE 19717-1303
(302) 831-2509 / Fax: (302) 831-3651
E-mail: joy.sparks@mvs.udel.edu

Ag in the Classroom State Leader

This program promotes increased understanding of agriculture and possible careers in the agricultural sciences. With National leadership provided by USDA, each State manages its own programs, with assistance from agribusiness, educational institutions, and government.

Anne T. Fitzgerald
Delaware AITC
Delaware Department of Agriculture
2320 South DuPont Highway
Dover, DE 19901
(302) 739-4811, ext. 279
Fax: (302) 697-6287

Youth Enrichment Program

Sponsored by the Agricultural Research Service, this program provides first-hand science experience for more than 100 high school students interested in attending college and pursuing science careers.

Rosanna Taylor, Manager
U.S. Department of Agriculture
Office of the Administrator
Special Programs, Room 3552-S
1400 Independence Avenue SW
Washington, DC 20250-0301
(202) 720-3511

▶Department of Commerce (DOC)

Delaware National Estuarine Research Reserve

Ecological and environmental education programs for both students and teachers are offered at the reserve.

Tina Bernat, Education Coordinator
Delaware National Estuarine Research
Reserve
Delaware Department of Natural Resources
and Environmental Control
PO Box 1401
Dover, DE 19903
(302) 739-3451 / Fax: (302) 739-3817

National Sea Grant College Program, Operation Pathfinder

The program consists of two-week summer courses that present an introduction to oceanographic and coastal processes. Courses are available in six regions and are designed to enhance skills in science teaching.

Bill Hall
Delaware Sea Grant
700 Pilottown Road
Lewes, DE 19958
(302) 645-4253 / Fax: (302) 645-4007

▶Department of Education (ED)

Eisenhower State Coordinators

Eisenhower State Coordinators administer the Eisenhower Professional Development Program State Formula grants. The program focuses on sustained and intensive high-quality professional development through inservice programs.

Jack Cairns
Eisenhower Professional Development
Program
Delaware Department of Public Instruction
John G. Townsend Building, PO Box 1402
Dover, DE 19903
(302) 739-3742 / Fax: (302) 739-4483

Eisenhower State Coordinators for Higher Education

Eisenhower State Coordinators oversee the Eisenhower Professional Development State Formula Grants for the State Agency for Higher Education (SAHE). The program focuses on teacher enhancement through both inservice and preservice programs.

Dr. Paul LeMahieu
Eisenhower Professional Development
Program
University of Delaware, College of Education
101A Willard Hall
Newark, DE 19716
(302) 831-4433 / Fax: (302) 831-4438

Mid-Atlantic Eisenhower Consortium for Mathematics and Science Education

The Eisenhower Regional Consortium provides information and technical assistance to help States and school districts improve mathematics and science education.

Keith Kershner, Director
Mid-Atlantic Eisenhower Consortium for
Mathematics and Science Education
444 North Third Street
Philadelphia, PA 19123-4107
(215) 574-9300 / Fax: (215) 574-0133
E-mail: kershner@rbs.org
WWW: http://www.rbs.org/eisenhower/

Mid-Atlantic Laboratory for Student Success (LSS)

LSS identifies effective teaching techniques and school improvement efforts within the region and shares this information with State and local educators.

Dr. Margaret Wang, Executive Director
Laboratory for Student Success
Temple University Center for Research in
Human Development and Education
933 Ritter Annex
1301 Cecil B. Moore Avenue
Philadelphia, PA 19122-6091
(215) 204-3030 or (800) 892-5550
Fax: (215) 204-5130
WWW: http://www.temple.edu/
departments/LSS

Northeast Regional Technology in Education Consortium (NetTech)

ED established the Regional Technology in Education Consortia (R*TEC) program in the fall of 1995 to help States, districts, schools, adult literacy centers, and other educational institutions use advanced technology to support improved teaching and student achievement. R*TEC's role in educational technology is unique in two ways: the emphasis is regional and the primary goal is to ensure that technology is used effectively to support school reform. Program strategies include professional development, technical assistance, and information dissemination.

Bonnie Brownstein and Michael Ribaudo,
Co-Directors
NetTech
City University of New York
555 West 57th Street
New York, NY 10019
(212) 541-0972 / Fax: (212) 541-0357
E-mail: blbbh@cunyvm.cuny.edu
WWW: http://www.nettech.org/

Kathy Fuller, R*TEC Project Officer
U.S. Department of Education
Office of Educational Research and
Improvement
ORAD/SLSD, Room 506c
555 New Jersey Avenue NW
Washington, DC 20208-5644
(202) 219-2281
E-mail: Kathy_Fuller@ed.gov

▶ Department of the Interior (DOI)

Bombay Hook National Wildlife Refuge

Programs at the refuge include guided tours and lectures that center on wildlife management. Habitat studies programs are also available. For example, in Forest Studies, students are instructed on the forest ecology of the refuge. In Meadow Studies, students use nets to sweep a meadow area for insects and other invertebrates, occasionally finding a herptile. Students also learn flower identification. They classify what they find and compare it to what they find at the edge of the meadow and forest.

Wetland Habitat includes studies of freshwater, brackish water, salt marshes, and the bay. Tools students use include dip and seine nets to sample organisms, field guides for identification of plants and animals, water test kits, collection jars and pans. The students use data sheets and lesson plans to record their observations.

Refuge staff occasionally (mostly during the winter) present offsite programs at schools, clubs, and other community sites. These talks can be on general wildlife topics (for example, covering the major classes of animals and their characteristics and adaptations; endangered species; raptors; wetlands; Bombay Hook). The programs include movies or slide shows and animal mounts for viewing.

Marian Johnson-Pohlman, Outdoor
Recreation Planner
Bombay Hook NWR
2591 Whitehall Neck Road
Smyrna, DE 19977
(302) 653-6872 / Fax: (302) 653-0684
E-mail: r5rw_bhr@mail.fws.gov

Bureau of Land Management Eastern States Office

This office provides information about educational programs, materials, and local land-management issues.

Education Coordinator
Bureau of Land Management
7450 Boston Boulevard
Springfield, VA 22153
(703) 440-1713

Minerals Management Service (MMS) Regional Office

The MMS Regional Office provides a range of educational services. Teacher inservice programs and classroom visitations may include supplemental materials. Availability may be limited, but arrangements may be made for duplication of some materials at minimal cost.

Office of Communications andGovernmental
Affairs
Education Coordinator
Minerals Management Service
1849 C Street NW, LMS4230
Washington, DC 20240-0001
(202) 208-3985 / Fax: (202) 208-3968

Offshore Minerals Management Technical
Communications Service
Minerals Management Service
381 Eldon Street, MS 4530
Herndon, VA 20170-4817
(703) 787-1080 / Fax: (703) 787-1186

Project WILD

Project WILD offers teacher training and educational materials. Teacher guides, free to teachers who attend the training session, contain more than 80 supplementary, interdisciplinary activities for grades K–12.

Nancy Rolli, Project WILD Coordinator
Department of Natural Resources, I and E
PO Box 1401
Dover, DE 19903
(302) 739-4506 / Fax: (302) 294-0874

▶ Department of Labor (DOL)

Job Training Partnership Act (JTPA) Liaison

The JTPA Liaison can provide information about the Job Training Partnership Act State and local programs for economically disadvantaged adults and youth.

Louis A. Masci, Director
Delaware Department of Labor
Division of Employment and Training
University Plaza, PO Box 9499
Newark, DE 19714-9499
(302) 368-6810 / Fax: (302) 368-6995

▶ Department of Transportation (DOT)

Federal Aviation Administration (FAA) Aviation Education

The FAA Aviation Education Representative coordinates aviation education services, including materials and programs for the FAA in the States assigned to the region.

Programs include the following:

- **The Aviation Career Education (ACE) Academy** is a one-week summer aviation education program for high school students sponsored by the FAA along with a host educational institution. The program provides students with diverse experiences in aviation career exploration. The focus is on aviation career clusters identified by FAA, with an emphasis on opportunities for women and minorities. A goal is to have one program in each State and U.S. Territory. The FAA will conduct regional leadership workshops and provide funds based on the availability of resources.
- **Aviation Education Workshops for Teachers** provide teachers with information on FAA aviation programs and materials and prepare them to teach aviation in the classroom. Annual workshops are conducted at colleges and universities across the Nation. The FAA provides information, materials, and speakers for the program.
- **National Congress on Aviation and Space Education** is sponsored annually by the FAA in partnership with the National Aeronautics and Space Administration and the Civil Air Patrol. The meeting includes teacher workshops and crosstalk sessions to exchange ideas on promoting aerospace education.

Jim Szakary, AEA-61, FAA Aviation
Education Representative
JFK International Airport
Federal Building, #111
Jamaica, NY 11430
(718) 553-3364 / Fax: (718) 553-1455

FAA Aviation Education Resource Centers

Located at colleges, museums, and State aviation authority offices, these centers function as information distribution centers for

Federal Aviation Administration education materials and resources. The Resource Centers maintain and provide quantities of printed materials, videotapes, and computer educational software. Center personnel can also provide general information, conduct workshops, and make aviation-related presentations.

Stephanie Wright
Aviation Education Resource Center
Delaware Teachers Center
Claymont Education Campus
3401 Green Street
Claymont, DE 19703
(302) 798-3806

▶ Environmental Protection Agency (EPA)

EPA Regional Office

This office takes part in a variety of environmental education programs for both teachers and students. Programs range from teacher workshops and student contests to in-school presentations. Information on environmental issues is also available through the Public Information Center located at the office.

Bonnie Smith and Nan Ides, Environmental Education Coordinators
Environmental Protection Agency
841 Chestnut Street (3EA20)
Philadelphia, PA 19107
(215) 566-5546 / Fax: (215) 566-5102

The President's Environmental Youth Awards (PEYA) Program

Young people from each State are invited to participate in PEYA, a nationwide program designed to encourage individuals, school classes, summer camps, public interest groups, and youth organizations to promote environmental awareness and community involvement. The two components of the program are the regional certificate program and the National awards competition. Regional certificates, signed by the President, are awarded to each participant by EPA regional offices. National individual project winners, or one representative from a National award-winning group project, along with one sponsor, are honored at EPA headquarters in Washington, DC. Interested K–12 individuals or groups may obtain application materials and contest rules by contacting the EPA Regional Office that serves their State. PEYA has been an ongoing project since it was created by the White House Office of Education and the EPA in 1971.

EPA Region 3
81 Chestnut Street (3EA20)
Philadelphia, PA 19107
(215) 566-5543 / Fax: (215) 566-5102

▶ National Aeronautics and Space Administration (NASA)

NASA Educator Resource Center

The center has NASA-related educational materials in various formats, including laser discs, CD-ROMs, videotapes, slides, audiotapes, publications, and teacher guides. Educators may preview or copy NASA materials upon request.

Educator Resource Laboratory
NASA Goddard Space Flight Center
Mail Code 130.3
Greenbelt, MD 20771-0001
(301) 286-8570

NASA Field Centers

Each field center has an educational programs officer who is responsible for precollege education programs. In addition to administering National programs, the center offers programs and services to meet regional and local needs.

Education Programs
NASA Goddard Space Flight Center
Mail Code 130
Greenbelt, MD 20771-0001
(301) 286-7206

NASA Regional Educator Resource Center (RERC)

To offer more educators the opportunity to visit the Educator Resource Center Network (ERCN), NASA forms partnerships with planetariums, universities, museums, and other nonprofit organizations to serve as RERCs. Teachers may preview or copy NASA materials upon request.

Delaware Aerospace Center
NASA Regional Educator Resource Center
500 Duncan Road
Wilmington, DE 19809-2359
(302) 792-3806

Space Grant Consortium

The Space Grant Consortium in each State consists of colleges, universities, industry, and other organizations that have an interest in aeronautics and space education. Each consortium receives NASA funds for use in implementing a balanced program of research, education, and public service.

Delaware Space Grant Consortium
Bartol Research Institute
University of Delaware
217 Sharp Laboratory
Newark, DE 19716-4793
(302) 831-1094

District of Columbia

▶ Department of Agriculture (USDA)

4-H State Leader

The State 4-H Youth Development Programs are administered by the Cooperative Extension Service at land-grant universities. State 4-H leaders coordinate outreach services and training to all county offices.

Dr. Corine Thomas, Acting Program Leader
University of the District of Columbia
901 Newton Street NE
Washington, DC 20017
(202) 274-6926 / Fax: (202) 274-6930

Youth Enrichment Program

Sponsored by the Agricultural Research Service, this program provides first-hand science experience for more than 100 high school students interested in attending college and pursuing science careers.

Rosanna Taylor, Manager
U.S. Department of Agriculture
Office of the Administrator
Special Programs, Room 3552-S
1400 Independence Avenue SW
Washington, DC 20250-0301
(202) 720-3511

▶ Department of Commerce (DOC)

National Sea Grant College Program, Operation Pathfinder

The program consists of two-week summer courses that present an introduction to oceanographic and coastal processes. Courses are available in six regions and are designed to enhance skills in science teaching.

Bill Hall
Delaware Sea Grant
700 Pilottown Road
Lewes, DE 19958
(302) 645-4253 / Fax: (302) 645-4007

▶ Department of Defense (DoD)

The Navy Museum

The museum chronicles the history of the United States Navy from the Revolution to the present. User friendly and interactive, the exhibits offer a hands-on approach to interpreting the development of naval weaponry and technology. Curriculum-related tours and programs are available for grades 1–12, by reservation.

The Navy Museum
Building 76, Washington Navy Yard
901 M Street SE
Washington, DC 20374-5060
(202) 433-4882 / Fax: (202) 433-8200

Science and Engineering Apprentice Program

This program, supported by DoD and administered by The George Washington University, is designed to provide research experience for high school students attending school near the participating research facility. Each student works with a senior scientist or engineer who acts as a mentor for eight weeks during the summer. Participating organizations located in the District of Columbia are Armed Forces Institute of Pathology (AFIP), Naval Research Laboratory, United States Naval Observatory (USNO), and Walter Reed Army Institute of Research (WRAIR).

Marylin Krupsaw
GWU/SEAS
Science and Engineering Apprentice Program
707 22nd Street NW
Washington, DC 20052
(202) 994-2234

Walter Reed Army Institute of Research

The institute offers science and engineering internships for high school students.

Marvin Rogul, Associate Director
Research Marketing and Policy Development
Walter Reed Army Institute of Research
Washington, DC 20307-5100
(202) 782-7580

Washington Navy Yard, Washington, DC

The Navy Community Service Program forms partnerships with schools and other youth organizations throughout the National Capital region.

COMNAVDIST, Washington, DC
Commander
Naval District Washington
Washington Navy Yard, Building 200
Code OOG
901 M Street SE
Washington, DC 20374-2002
(202) 433-3728

▶ Department of Education (ED)

Eisenhower State Coordinators

Eisenhower State Coordinators administer the Eisenhower Professional Development Program State Formula grants. The program focuses on sustained and intensive high-quality professional development through inservice programs.

Dr. Bonnie M. Smith
Eisenhower Professional Development Program
DC Public Schools
415 12th Street NW, Room 1004
Washington, DC 20004
(202) 724-4234 / Fax: (202) 727-2739

Charles Geboe
Eisenhower Professional Development Program
Department of the Interior, BIA
1849 C Street NW, MS 3512, MIB
Washington, DC 20240
(202) 219-1127 / Fax: (202) 219-9583

Eisenhower State Coordinators for Higher Education

Eisenhower State Coordinators oversee the Eisenhower Professional Development State Formula Grants for the State Agency for Higher Education (SAHE). The program focuses on teacher enhancement through both inservice and preservice programs.

Edward Yearwood
Eisenhower Professional Development Program
Office of Postsecondary Education Research and Assistance
2100 Martin Luther King, Jr. Avenue SE
Suite 401
Washington, DC 20020
(202) 727-3685 / Fax: (202) 727-2739

Charles Geboe
Eisenhower Professional Development Program
Department of the Interior, BIA
1849 C Street NW, MS 3512, MIB
Washington, DC 20240
(202) 219-1127 / Fax: (202) 219-9583

Eisenhower National Clearinghouse (ENC) Capital Collection

Located at The George Washington University in Washington, DC, this site serves as a minirepository for ENC's K–12 mathematics and science resources. It is also one of 12 ENC Demonstration Sites throughout the Nation. The Capital Collection includes representative materials from the ENC National Collection; highlights are K–12 mathematics and science education materials produced by Federal agencies and commercial publishers. The Capital Collection and Demonstration Site is open year-round at hours convenient to teachers. Educators and others may preview curriculum materials included in the Collection and learn how to integrate technology into their classroom activities. Several computer workstations are available for educators to search the ENC Resource Finder for additional resources, including those found via the Internet. Upon request, Capital Collection staff will travel to schools in the Washington, DC, metropolitan area to demonstrate ENC Online and other resources.

The George Washington University
Gelman Library—Room B06
2130 H Street NW
Washington, DC 20052
(202) 994-4519 / Fax: (202) 994-4520
E-mail: enc@gwis2.circ.gwu.edu

Mid-Atlantic Eisenhower Consortium for Mathematics and Science Education

The Eisenhower Regional Consortium provides information and technical assistance to help States and school districts improve mathematics and science education.

Keith Kershner, Director
Mid-Atlantic Eisenhower Consortium for Mathematics and Science Education
444 North Third Street
Philadelphia, PA 19123-4107
(215) 574-9300 / Fax: (215) 574-0133
E-mail: kershner@rbs.org
WWW: http://www.rbs.org/eisenhower/

Mid-Atlantic Laboratory for Student Success (LSS)

LSS identifies effective teaching techniques and school improvement efforts within the region and shares this information with State and local educators.

Dr. Margaret Wang, Executive Director
Laboratory for Student Success
Temple University Center for Research in
Human Development and Education
933 Ritter Annex
1301 Cecil B. Moore Avenue
Philadelphia, PA 19122-6091
(215) 204-3030 or (800) 892-5550
Fax: (215) 204-5130
WWW: http://www.temple.edu/departments/LSS

Northeast Regional Technology in Education Consortium (NetTech)

ED established the Regional Technology in Education Consortia (R*TEC) program in the fall of 1995 to help States, districts, schools, adult literacy centers, and other educational institutions use advanced technology to support improved teaching and student achievement. R*TEC's role in educational technology is unique in two ways: the emphasis is regional and the primary goal is to ensure that technology is used effectively to support school reform. Program strategies include professional development, technical assistance, and information dissemination.

Bonnie Brownstein and Michael Ribaudo,
Co-Directors
NetTech
City University of New York
555 West 57th Street
New York, NY 10019
(212) 541-0972 / Fax: (212) 541-0357
E-mail: blbbh@cunyvm.cuny.edu
WWW: http://www.nettech.org/

Kathy Fuller, R*TEC Project Officer
U.S. Department of Education
Office of Educational Research and
Improvement
ORAD/SLSD, Room 506c
555 New Jersey Avenue NW
Washington, DC 20208-5644
(202) 219-2281
E-mail: Kathy_Fuller@ed.gov

▶ Department of the Interior (DOI)

Earth Science Information Center, Washington, DC

The center offers information and sales service for U.S. Geological Survey map products and Earth science publications.

Washington, DC, Earth Science Information
Center
U.S. Department of the Interior
1849 C Street NW, Room 2650
Washington, DC 20240
(202) 208-4047

Ft. Dupont Park

The Model Elementary Science Program is a cooperative venture between the District of Columbia Public Schools and the National Park Service. Fifth grade students visit the park three times during the school year to take part in hands-on activities in woodland and meadow ecosystems and indoors in the Nature Discovery room. The program provides inservice workshops to approximately 300 teachers.

Katrina Roberts, Site Manager
Ft. Dupont Park
1900 Anacostia Drive SE
Washington, DC 20020
(202) 426-7723 / Fax: (202) 426-0698

Kenilworth Aquatic Gardens

Birds and Their Habitat introduces wetland birds. The program discusses when and why birds can be found in this particular habitat and identifies several kinds of birds by color and sound.

Other programs include the following:

- **Ecology of a Pond** features a detailed survey of freshwater pond environments. Special attention is paid to the life history of ponds, the characteristics of their various zones, and specialized plant and animal life. Coverage includes the food chain, spring and fall overturn, plant successions, invertebrates, and vertebrates.
- **Frogs and Toads** is an introductory survey for the beginning student. The program presents interesting facts about morphology, behavior, reproduction, growth, and development.
- **Insects** begins with a viewing of fantastic close-up photography of insects, followed by an outdoor trek to view aquatic insects.
- **Introduction to Wetlands** introduces the gardens as a wetland. Students discuss characteristics of a wetland and learn of other wetlands in the country. Groups will view a healthy and an unhealthy marsh in order to compare, contrast, and discuss.
- **Snakes—More Fascinating Than Fearful** includes learning about the snake's life habits, ecology, hatching, shedding, and care. The four poisonous snakes of the United States and Canada are identified; a live specimen may be available for viewing. Discussion is also centered around the myths about snakes and the importance of snakes to people and their environment.
- **Water Plants** is a program featuring plants associated with freshwater and how they differ from terrestrial plants. The program will highlight the spectacular inventory of plants at Kenilworth Aquatic Gardens.
- **Water Pollution and Wildlife** is an interactive program featuring a hands-on game called "Who Dirtied the Water?" This program helps children and adults see first hand how water is fouled and the effect it has on the environment.

Cynthia Salter-Stith, Site Manager
Kenilworth Aquatic Gardens
1900 Anacostia Drive SE
Washington, DC 20020
(202) 426-6905 or 7109

National Capitol Parks, East

In Animal Life on the Farm, children are introduced to farm animals, their sounds, the benefits derived from them, and the care provided to them for their survival. Teacher workshops include pre- and post-activities for the classroom.

Ann Vonnegut-Frieling, Park Ranger
National Capitol Parks, East
1900 Anacostia Drive SE
Washington, DC 20020
(202) 619-5185

Rock Creek Nature Center

Creek Life Walk explores different sections of Rock Creek. The group searches for a variety of plant and animal life found in the park.

Other programs include the following:

- **Exploring the Night Sky** uses telescopes provided by the National Capital Astronomers to view the planets, moon, and other space objects. Special topics such as comets, meteor showers, and/or special astronomical events are covered, depending on the time of year.
- **Tales for Tots** teaches preschoolers and kindergartners about a variety of animal adaptations and survival techniques used by animals in their everyday lives
- **Wildlife Education Kits** focus on three park animals: the white-tailed deer, eastern box turtle, and great-horned owl. The kits are available for teachers to use at their school. The kits contain lesson plans and activities for each animal.

Julie Washburn, Interpretive Supervisor
Rock Creek Nature Center
5200 Glover Road NW
Washington, DC 20015
(202) 426-6828 / Fax: (202) 426-0964

Project WILD

Project WILD offers teacher training and educational materials. Teacher guides, free to teachers who attend the training session, contain more than 80 supplementary, interdisciplinary activities for grades K–12.

Jim Butler, Project WILD Coordinator
Environmental Regulation Administration
2100 Martin Luther King Jr. Avenue SE
Washington, DC 20020
(202) 404-1145, ext. 3054
Fax: (202) 404-1150

▶ Department of Labor (DOL)

Job Training Partnership Act (JTPA) Liaison

The JTPA Liaison can provide information about the Job Training Partnership Act State and local programs for economically disadvantaged adults and youth.

Daryl Hardy, Deputy Director
Training and Development
Department of Employment Services
500 C Street NW, Suite 600
Washington, DC 20001
(202) 724-7185 / Fax: (202) 639-1357

▶ Department of Transportation (DOT)

Federal Aviation Administration (FAA) Aviation Education

The FAA Aviation Education Representative coordinates aviation education services, including materials and programs for the FAA in the States assigned to the region.

Programs include the following:

- **The Aviation Career Education (ACE) Academy** is a one-week summer aviation education program for high school students sponsored by the FAA along with a host educational institution. The program provides students with diverse experiences in aviation career exploration. The focus is on aviation career clusters identified by FAA, with an emphasis on opportunities for women and minorities. A goal is to have one program in each State and U.S. Territory. The FAA will conduct regional leadership workshops and provide funds based on the availability of resources.
- **Aviation Education Workshops for Teachers** provide teachers with information on FAA aviation programs and materials and prepare them to teach aviation in the classroom. Annual workshops are conducted at colleges and universities across the Nation. The FAA provides information, materials, and speakers for the program.
- **National Congress on Aviation and Space Education** is sponsored annually by the FAA in partnership with the National Aeronautics and Space Administration and the Civil Air Patrol. The meeting includes teacher workshops and crosstalk sessions to exchange ideas on promoting aerospace education.

Jim Szakary, AEA-61, FAA Aviation Education Representative
JFK International Airport
Federal Building, #111
Jamaica, NY 11430
(718) 553-3364 / Fax: (718) 553-1455

Terry White
Aviation Education Program (AHR-15)
Federal Aviation Administration
Aviation Education Program
400 Seventh Street SW, Plaza 100
Washington, DC 20590
(202) 366-7018 / Fax: (202) 366-3786

Phillip S. Woodruff, Aviation Education Team Leader
Aviation Education Program (AHR-15)
Federal Aviation Administration
400 Seventh Street SW, Plaza 100
Washington, DC 20590
(202) 366-7018 / Fax: (202) 366-3786

▶ Environmental Protection Agency (EPA)

EPA Regional Office

This office takes part in a variety of environmental education programs for both teachers and students. Programs range from teacher workshops and student contests to in-school presentations. Information on environmental issues is also available through the Public Information Center located at the office.

Bonnie Smith and Nan Ides, Environmental Education Coordinators
Environmental Protection Agency
841 Chestnut Street (3EA20)
Philadelphia, PA 19107
(215) 566-5546 / Fax: (215) 566-5102

The President's Environmental Youth Awards (PEYA) Program

Young people from each State are invited to participate in PEYA, a nationwide program designed to encourage individuals, school classes, summer camps, public interest groups, and youth organizations to promote environmental awareness and community involvement. The two components of the program are the regional certificate program and the National awards competition. Regional certificates, signed by the President, are awarded to each participant by EPA regional offices. National individual project winners, or one representative from a National award winning group project, along with one sponsor, are honored at EPA headquarters in Washington, DC. Interested K–12 individuals or groups may obtain application materials and contest rules by contacting the EPA Regional Office that serves their State. PEYA has been an ongoing project since it was created by the White House Office of Education and the EPA in 1971.

EPA Region 3
81 Chestnut Street (3EA20)
Philadelphia, PA 19107
(215) 566-5543 / Fax: (215) 566-5102

▶ National Aeronautics and Space Administration (NASA)

NASA Educator Resource Center

The center has NASA related educational materials in various formats, including laser discs, CD-ROMs, videotapes, slides, audio tapes, publications, and teacher guides. Educators may preview or copy NASA materials upon request.

Educator Resource Laboratory
NASA Goddard Space Flight Center
Mail Code 130.3
Greenbelt, MD 20771-0001
(301) 286-8570

NASA Field Centers

Each field center has an educational programs officer who is responsible for precollege education programs. In addition to administering National programs, the center offers programs and services to meet regional and local needs.

Education Programs
NASA Goddard Space Flight Center
Mail Code 130
Greenbelt, MD 20771-0001
(301) 286-7206

NASA Regional Educator Resource Center (RERC)

To offer more educators the opportunity to visit the Educator Resource Center Network (ERCN), NASA forms partnerships with planetariums, universities, museums, and other nonprofit organizations to serve as RERCs. Teachers may preview or copy NASA materials upon request.

University of the District of Columbia
NASA Regional Educator Resource Center
4200 Connecticut Avenue NW, MS 4201
Washington, DC 20008
(202) 274-6287/6288/6285

National Air and Space Museum
Smithsonian Institution
Education Resource Center, MRC 305
Washington, DC 20560
(202) 786-2109

Space Grant Consortium

The Space Grant Consortium in each State consists of colleges, universities, industry, and other organizations that have an interest in aeronautics and space education. Each consortium receives NASA funds for use in implementing a balanced program of research, education, and public service.

District of Columbia Space Grant
Consortium
Space Policy Institute
714 Gelman Library
2130 H Street NW
George Washington University
Washington, DC 20052
(202) 995-2615

▶Smithsonian Institution

National Air and Space Museum

The museum's Educational Services Department provides various services to science educators, including collections-based curriculum materials and workshops to assist teachers in utilizing the many museum resources. NASM's home page contains online galleries, educational materials, and information about education programs.

National Air and Space Museum
Educational Services Department, MRC 305
Washington, DC 20560
(202) 786-2524 / Fax: (202) 633-8174

National Science Resources Center

The center maintains a comprehensive collection of effective science teaching resource materials. It holds more than 5,000 volumes, including materials developed by National curriculum projects, school systems, commercial publishers, and science museums. Educators interested in visiting the collection may call to make arrangements.

Douglas Lapp, Executive Director
National Science Resources Center, MRC 403
Smithsonian Institution
Washington, DC 20560
(202) 357-4892 / Fax: (202) 786-2028

National Zoological Park

At the precollege level, the Zoo's education department offers programs, self-guiding materials, learning lab sessions, and teacher workshops. *The National Zoo News* is a yearly newspaper that contains useful teacher information.

Office of Education and Volunteer Services
National Zoological Park
Smithsonian Institution
Washington, DC 20008
(202) 673-4955

Maryland

▶Department of Agriculture (USDA)

4-H State Leader

The State 4-H Youth Development Programs are administered by the Cooperative Extension Service at land-grant universities. State 4-H leaders coordinate outreach services and training to all county offices.

Edith C. Williams, Associate Director
4-H and HE
8020 Greenmead Drive
University of Maryland
College Park, MD 20740
(301) 422-4248 / Fax: (301) 422-7914
E-mail: ew17@umail.umd.edu

Ag in the Classroom State Leader

This program promotes increased understanding of agriculture and possible careers in the agricultural sciences. With National leadership provided by USDA, each State manages its own programs, with assistance from agribusiness, educational institutions, and government.

Steven A. Connelly
Maryland Agricultural Education
Foundation, Inc.
2101 East Fort Avenue, Suite 124
Baltimore, MD 21230
(410) 752-0671 / Fax: (410) 783-0857

Youth Enrichment Program

Sponsored by the Agricultural Research Service, this program provides first-hand science experience for more than 100 high school students interested in attending college and pursuing science careers.

Rosanna Taylor, Manager
U.S. Department of Agriculture
Office of the Administrator
Special Programs, Room 3552-S
1400 Independence Avenue SW
Washington, DC 20250-0301
(202) 720-3511

▶Department of Commerce (DOC)

Chesapeake Bay National Estuarine Research Reserve

The reserve offers both in-school and onsite education programs. Reservations are required.

Kathleen Buppert, Education Coordinator
Chesapeake Bay National Estuarine Research
Reserve
Division of Natural Resources
Tawes State Office Building, E-2
580 Taylor Avenue
Annapolis, MD 21401
(410) 974-8474 / Fax: (410) 974-2833

National Sea Grant College Program, Operation Pathfinder

The program consists of two-week summer courses that present an introduction to oceanographic and coastal processes. Courses are available in six regions and are designed to enhance skills in science teaching.

Bill Hall
Delaware Sea Grant
700 Pilottown Road
Lewes, DE 19958
(302) 645-4253 / Fax: (302) 645-4007

National Institute of Standards and Technology

The institute's Student Programs provide employment for high school, undergraduate, and graduate level students who are pursuing courses in physical sciences, engineering, computer science, or mathematics.

Kimberly J. Goode, Student Coordinator
National Institute of Standards and
Technology
Office of Personnel and Civil Rights
Administration Building, Room A123
Gaithersburg, MD 20899
(301) 975-3026

▶Department of Defense (DoD)

National Security Agency (NSA)

The NSA sponsors a Mathematics Speakers Bureau that offers a variety of fun and fascinating mathematics and science talks to elementary, middle, or high school students by members of the NSA mathematics and science community. The objective is to increase student interest in mathematics and science and present instruction that models the recommendations of the National Council of Teachers of Mathematics Standards. A catalog of topics is available.

National Security Agency
Undergraduate Training Program
Attention: M3222
Fort Meade, MD 20755-6000
(410) 859-4590 / Fax: (800) 962-9398

Naval Air Station, Patuxent River

The air station participates in the Navy Community Service Program through formation of partnerships with schools and other youth organizations in the area.

NAS Patuxent River MD
Commander
Naval Air Station
Code NAS ADMIN
Patuxent River, MD 20670-5304
(301) 826-1016

Naval Air Test and Evaluation Museum

The museum depicts the history of testing and evaluating U.S. naval aircraft. Exhibits include actual aircraft, a cockpit trainer, and hands-on displays. Admission is free and tours are available upon request.

Naval Air Test and Evaluation Museum
Naval Air Warfare Center
PO Box 407
Patuxent River, MD 20670-5304
(301) 863-7418

Science and Engineering Apprentice Program

This program, supported by DoD and administered by The George Washington University, is designed to provide research experience for high school students attending school near the participating research facility. Each student works with a senior scientist or engineer who acts as a mentor for eight weeks during the summer. The following are participating organizations in the State of Maryland:

Dr. David Lenz
Army Medical Research Institute of Chemical Defense (MRICD)
Aberdeen Proving Ground, MD 21010-5425
(410) 671-2455

Dr. Carol Linden
Army Medical Research Institute of Infectious Disease (MRIID)
Ft. Detrick, MD 21702-5011
(301) 619-2767

George Klem
Army Research Laboratory (ARL-APG)
Aberdeen Proving Ground, MD 21005-5066
(410) 278-6807

Steve Kistner
Center for Health Promotion and Preventive Medicine (CHPPM)
MCHB-ZA, Building E-2100
Aberdeen Proving Ground, MD 21010-5422
(410) 671-2307

Phyllis Scales
Edgewood Research, Development and Engineering Center (ERDEC)
Aberdeen Proving Ground, MD 21010-5423
(410) 671-5722

Bobbie Everett
Naval Air Warfare Center Aircraft Division (NAWC-AD)
Patuxent River, MD 20670-5304
(301) 342-3734, ext. 107

Sylvia Rhodes
Naval Surface Warfare Center Indian Head Division (NSWC-IH)
101 Strauss Avenue, Code 061A
Indian Head, MD 20640-5035
(301) 743-6525

The following participating organizations are also located in Maryland.

Armed Forces Radiobiology Research Institute (AFRRI), Bethesda; Army Research Laboratory (ARL-A), Adelphi; Naval Air Warfare Center Aircraft Division (NAWC-AD), Patuxent River; Naval Dental Research Institute, Detachment, Bethesda; Naval Medical Research Institute, Bethesda; Naval Surface Warfare Centers in Carderock (NSWC-C); Uniformed Services University of the Health Sciences, Bethesda; United States Naval Academy (USNA), Annapolis; Walter Reed Army Institute of Research (WRAIR) in Gaithersburg, Rockville, and Wheaton.

For more information on the above programs, contact:

Marylin Krupsaw
GWU/SEAS
Science and Engineering Apprentice Program
707 22nd Street NW
Washington, DC 20052
(202) 994-2234

U.S. Naval Academy, Annapolis (USNA)

USNA participates in the Navy Community Service Program through formation of partnerships with schools and other youth organizations in the area.

USNA, Annapolis MD
Superintendent
U.S. Naval Academy
121 Blake Road
Human Programs Office, Stop 1J
Annapolis, MD 21402-5000
(410) 293-2293

▶Department of Education (ED)

Eisenhower State Coordinators

Eisenhower State Coordinators administer the Eisenhower Professional Development Program State Formula grants. The program focuses on sustained and intensive high-quality professional development through inservice programs.

Donna Crabbe
Eisenhower Professional Development Program
Maryland Department of Education
200 West Baltimore Street
Baltimore, MD 21201-2595
(410) 767-0355 / Fax: (410) 333-2379

Eisenhower State Coordinators for Higher Education

Eisenhower State Coordinators oversee the Eisenhower Professional Development State Formula Grants for the State Agency for Higher Education (SAHE). The program focuses on teacher enhancement through both inservice and preservice programs.

Linarda Tyler, Director of Grants and Contracts
Eisenhower Professional Development Program
Maryland Higher Education Commission
16 Francis Street
Annapolis, MD 21401-1781
(410) 974-2467 / Fax: (410) 974-3513

Mid-Atlantic Eisenhower Consortium for Mathematics and Science Education

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Keith Kershner, Director
Mid-Atlantic Eisenhower Consortium for
Mathematics and Science Education
444 North Third Street
Philadelphia, PA 19123-4107
(215) 574-9300 / Fax: (215) 574-0133
E-mail: kershner@rbs.org
WWW: http://www.rbs.org/eisenhower/

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Laboratory for Student Success
Temple University Center for Research in
Human Development and Education
933 Ritter Annex
1301 Cecil B. Moore Avenue
Philadelphia, PA 19122-6091
(215) 204-3030 or (800) 892-5550
Fax: (215) 204-5130
WWW: http://www.temple.edu/
departments/LSS

Northeast Regional Technology in Education Consortium (NetTech)

ED established the Regional Technology in Education Consortia (R*TEC) program in the fall of 1995 to help States, districts, schools, adult literacy centers, and other educational institutions use advanced technology to support improved teaching and student achievement. R*TEC's role in educational technology is unique in two ways: the emphasis is regional and the primary goal is to ensure that technology is used effectively to support school reform. Program strategies include professional development, technical assistance, and information dissemination.

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Co-Directors
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555 West 57th Street
New York, NY 10019
(212) 541-0972 / Fax: (212) 541-0357
E-mail: blbbb@cunyvm.cuny.edu
WWW: http://www.nettech.org/

Kathy Fuller, R*TEC Project Officer
U.S. Department of Education
Office of Educational Research and
Improvement
ORAD/SLSD, Room 506c
555 New Jersey Avenue NW
Washington, DC 20208-5644
(202) 219-2281
E-mail: Kathy_Fuller@ed.gov

▶ Department of Energy (DOE)

Appalachian Regional Commission (ARC) and Oak Ridge National Laboratory (ORNL)

A summer science, mathematics, and technology Teacher Leadership Institute is available for secondary teachers to participate in research-based programs at ORNL. The institute is provided in a two-week summer residential format patterned after the ORNL/National Science Foundation (NSF) National Teacher Enhancement Project and Leadership Institute. Participants are selected by the ARC from secondary schools throughout the ARC region. The focus is on hands-on laboratory research applying the tools and methods used in ongoing ORNL projects in research areas (as appropriate for each teacher's teaching assignment), pedagogy, and leadership. The program will feature telecommunications instruction at the ORNL Regional Science Center and telecommunications will be the primary method used for academic year follow-up and continued interactions with the teachers. Participants in the Teacher Leadership Institute will be hosted by several ORNL research divisions based on each teacher's background and interests. A program coordinator with experience in teacher preparation/higher education delivers instruction in pedagogy and educational leadership.

ARC and ORNL also collaborate on a summer science, mathematics, and technology Summer Science Honors Academy for ARC students to participate in research-based programs at ORNL. Student participants (seniors or graduating seniors) will be selected by the ARC from secondary schools throughout the ARC region. Students will be teamed with research mentors to participate in hands-on laboratory research applying the tools and methods used in ongoing ORNL projects. Students will also receive telecommunications instruction at the ORNL Regional Science Center.

Terry L. Lashley, Education Partnerships
Team Leader
Oak Ridge National Laboratory
Office of University and Science Education
PO Box 2008
5500A, MS 6366
Oak Ridge, TN 37831-6366
(423) 574-0689 / Fax: (423) 241-6726
E-mail: TL7@ornl.gov

▶ Department of the Interior (DOI)

Assateague Island National Seashore

Onsite environmental activities such as beachcombing and marsh studies are available to students at all grade levels at the seashore. Previsit curriculum materials and guided tours are also available.

Other programs include the following:

- **Dune What Comes Naturally Puppet Show** introduces students to the dynamic nature of the barrier island ecosystem through the characters of Lorna Dune and her friends. Ecological content is presented in a humorous, interactive way.
- **Grade 1 Aquarium/Beachcombers Talk** is a curriculum-based program that introduces material associated with food chains and homes. A class spends half an hour in a talk at the aquariums and half an hour talk in the Beachcomber Room. The talks are led by naturalists. Students also participate in a pantomime story about the food chain.
- **Salt Marsh Study** is designed to introduce the importance of the salt marsh ecosystem, complex inter-connections, and general ecological principles. Students use seine nets in the bay for an up-close look at this productive area.

Rachelle Daigneault, Education Coordinator
Assateague Island National Seashore
7206 National Seashore Lane, Route 611
Berlin, MD 21811
(410) 641-1443

Blackwater National Wildlife Refuge

In addition to guided walks and bus tours, the refuge also offers summer environmental education programs.

Outdoor Recreation Planner
Blackwater National Wildlife Refuge
2145 Key Wallace Drive
Cambridge, MD 21613
(410) 228-2677 / Fax: (410) 228-3261

Bureau of Land Management Eastern States Office

This office provides information about educational programs, materials, and local land-management issues.

Education Coordinator
Bureau of Land Management
7450 Boston Boulevard
Springfield, VA 22153
(703) 440-1713

Catoctin Mountain Park

Deer Discovery is an interactive computer program; half the program features deer ecology and the other half has students select elements to design their own forest. Concepts introduced include deer management, predator/prey relationships, competitor species, and habitats. The program, which is specific to Catoctin Mountain Park, also features the ability to print a report of the Design-a-Forest activity.

Roger G. Steintl, Chief Ranger
Catoctin Mountain Park
6602 Foxville Road
Thurmont, MD 21788
(301) 663-9330 / Fax: (301) 271-2764

Chesapeake Bay Field Office

The Watershed Education Kit includes a poster of the Chesapeake Bay drainage, a student activity guide, and student work maps. Through a variety of activities that incorporate math, science, social studies, and language arts, students are introduced to many issues within the watershed.

Rich Mason, Education Biologist
Chesapeake Bay Field Office
177 Admiral Cochrane Drive
Annapolis, MD 21401
(410) 573-4584 / Fax: (410) 224-2781

Minerals Management Service (MMS) Regional Office

The MMS Regional Office provides a range of educational services. Teacher inservice programs and classroom visitations may include supplemental materials. Availability may be limited, but arrangements may be made for duplication of some materials at minimal cost.

Offshore Minerals Management Technical Communications Service
Minerals Management Service
381 Eldon Street, MS 4530
Herndon, VA 20170-4817
(703) 787-1080 / Fax: (703) 787-1186

Office of Communications and Governmental Affairs
Education Coordinator
Minerals Management Service
1849 C Street NW, LMS4230
Washington, DC 20240-0001
(202) 208-3985 / Fax: (202) 208-3968

Project WILD

Project WILD offers teacher training and educational materials. Teacher guides, free to teachers who attend the training session, contain more than 80 supplementary, interdisciplinary activities for grades K–12.

Earl Hodil, Project WILD Coordinator
Fish, Heritage, and Wildlife Administration
Tawes State Office Building
580 Taylor Avenue
Annapolis, MD 21401
(410) 974-3195 / Fax: (410) 974-3587

▶ Department of Transportation (DOT)

Federal Aviation Administration (FAA) Aviation Education

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Programs include:

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- **National Congress on Aviation and Space Education** is sponsored annually by the FAA in partnership with the National Aeronautics and Space Administration and the Civil Air Patrol. The meeting includes teacher workshops and crosstalk sessions to exchange ideas on promoting aerospace education.

Jim Szakary, AEA-61
FAA Aviation Education Representative
JFK International Airport
Federal Building, #111
Jamaica, NY 11430
(718) 553-3364 / Fax: (718) 553-1455

FAA Aviation Education Resource Centers

Located at colleges, museums, and State aviation authority offices, these centers function as information distribution centers for Federal Aviation Administration education materials and resources. The Resource Centers maintain and provide quantities of printed materials, videotapes, and computer educational software. Center personnel can also provide general information, conduct workshops, and make aviation-related presentations.

Abraham D. Spinak, Director
University of Maryland Eastern Shore
Airway Science Program
Princess Anne, MD 21853-1299
(401) 651-6489

▶ Environmental Protection Agency (EPA)

EPA Regional Office

This office takes part in a variety of environmental education programs for both teachers and students. Programs range from teacher workshops and student contests to in-school presentations. Information on environmental issues is also available through the Public Information Center located at the office.

Bonnie Smith and Nan Ides
Environmental Education Coordinators
Environmental Protection Agency
841 Chestnut Street (3EA20)
Philadelphia, PA 19107
(215) 566-5546 / Fax: (215) 566-5102

The President's Environmental Youth Awards (PEYA) Program

Young people from each State are invited to participate in PEYA, a nationwide program designed to encourage individuals, school classes, summer camps, public interest groups, and youth organizations to promote environmental awareness and community involvement. The two components of the program are the regional certificate program and the National awards competition. Regional certificates, signed by the President, are awarded to each participant by EPA regional offices. National individual project winners, or one representative from a National award-winning group project, along with one sponsor, are honored at EPA headquarters in Washington, DC. Interested K–12 individuals or groups may obtain application materials and contest rules by contacting the EPA Regional Office that serves their State. PEYA has been an ongoing project since it was created by the White House Office of Education and the EPA in 1971.

EPA Region 3
81 Chestnut Street (3EA20)
Philadelphia, PA 19107
(215) 566-5543 / Fax: (215) 566-5102

▶National Aeronautics and Space Administration (NASA)

NASA Educator Resource Center

The center has NASA-related educational materials in various formats, including laser discs, CD-ROMs, videotapes, slides, audiotapes, publications, and teacher guides. Educators may preview or copy NASA materials upon request.

Educator Resource Laboratory
NASA Goddard Space Flight Center
Mail Code 130.3
Greenbelt, MD 20771-0001
(301) 286-8570

NASA Field Centers

Each field center has an educational programs officer who is responsible for precollege education programs. In addition to administering National programs, the center offers programs and ~~services~~ to meet regional and local needs.

Education Programs
NASA Goddard Space Flight Center
Mail Code 130
Greenbelt, MD 20771-0001
(301) 286-7206

Space Grant Consortium

The Space Grant Consortium in each State consists of colleges, universities, industry, and other organizations that have an interest in aeronautics and space education. Each consortium receives NASA funds for use in implementing a balanced program of research, education, and public service.

Maryland Space Grant Consortium
Bloomberg Center for Physics and
Astronomy
3400 North Charles Street
Baltimore, MD 21218-2695
(410) 516-7350

▶Smithsonian Institution

Smithsonian Environmental Research Center

The center occupies 2,600 acres of the Rhode River tidal river system and is part of a network of sites conducting ecological research relevant to their geographic regions. A broad range of educational activities include teacher-led field trips, self-guided nature trails, guided tours, and workshops. Research opportunities are available for student interns and professionals.

Smithsonian Environmental Research Center
PO Box 28
Edgewater, MD 21037
(301) 261-4190 / Fax: (301) 261-7954

New Jersey

▶Department of Agriculture (USDA)

4-H State Leader

The State 4-H Youth Development Programs are administered by the Cooperative Extension Service at land-grant universities. State 4-H leaders coordinate outreach services and training to all county offices.

Dr. Richard W. Clark, State 4-H Leader
Cook College, Waller Hall
PO Box 231
New Brunswick, NJ 08903
(908) 932-9704 / Fax: (908) 932-7541
E-mail: clark@aesop.rutgers.edu

Ag in the Classroom State Leader

This program promotes increased understanding of agriculture and possible careers in the agricultural sciences. With National leadership provided by USDA, each State manages its own programs, with assistance from agribusiness, educational institutions, and government.

Joni Elliot
New Jersey Department of Agriculture
CN 330
Trenton, NJ 08625
(609) 292-8897 or 633-7463
Fax: (609) 292-3978

Youth Enrichment Program

Sponsored by the Agricultural Research Service, this program provides first-hand science experience for more than 100 high school students interested in attending college and pursuing science careers.

Rosanna Taylor, Manager
U.S. Department of Agriculture
Office of the Administrator
Special Programs, Room 3552-S
1400 Independence Avenue SW
Washington, DC 20250-0301
(202) 720-3511

▶Department of Commerce (DOC)

National Sea Grant College Program, Operation Pathfinder

The program consists of two-week summer courses that present an introduction to oceanographic and coastal processes. Courses are available in six regions and are designed to enhance skills in science teaching.

Bill Hall
Delaware Sea Grant
700 Pilottown Road
Lewes, DE 19958
(302) 645-4253 / Fax: (302) 645-4007

▶Department of Defense (DoD)

Armament Research, Development, and Engineering Center

The center offers both student employment and student apprenticeship programs, as well as outreach assistance to nearby schools. Special tours of the arsenal museum are also available.

U.S. Army, ARDEC
Public Affairs Office
Picatinny Arsenal, NJ 07806-5000
(201) 724-6365

Science and Engineering Apprentice Program

This program, supported by DoD and administered by The George Washington University, is designed to provide research experience for high school students attending school near the university. Each student works with a senior scientist or engineer who acts as a mentor for eight weeks during the summer.

Marilyn Guest
U.S. Army CECOM
Research, Development and Engineering Center
Attn: AMSEL-RD-ADO-MS
Ft. Monmouth, NJ 07703-5201
(908) 532-0350

▶Department of Education (ED)

Eisenhower State Coordinators

Eisenhower State Coordinators administer the Eisenhower Professional Development Program State Formula grants. The program focuses on sustained and intensive high-quality professional development through inservice programs.

Iris Nagler
Eisenhower Professional Development Program
Bureau of Curriculum and Technology
New Jersey Department of Education
CN 500
Trenton, NJ 08625-0500
(609) 984-6031 / Fax: (609) 292-7276

Eisenhower State Coordinators for Higher Education

Eisenhower State Coordinators oversee the Eisenhower Professional Development State Formula Grants for the State Agency for Higher Education (SAHE). The program focuses on teacher enhancement through both inservice and preservice programs.

Maria Rosado, Assistant Director
Eisenhower Professional Development Program
New Jersey Department of Education
Division of Academic Programs and Standards
240 West State Street, CN 500
Trenton, NJ 08625
(609) 633-8014 or 984-6031
Fax: (609) 633-9825

Mid-Atlantic Eisenhower Consortium for Mathematics and Science Education

The Eisenhower Regional Consortium provides information and technical assistance to help States and school districts improve mathematics and science education.

Keith Kershner, Director
Mid-Atlantic Eisenhower Consortium for Mathematics and Science Education
444 North Third Street
Philadelphia, PA 19123-4107
(215) 574-9300 / Fax: (215) 574-0133
E-mail: kershner@rbs.org
WWW: http://www.rbs.org/eisenhower/

Mid-Atlantic Laboratory for Student Success (LSS)

LSS identifies effective teaching techniques and school improvement efforts within the region and shares this information with State and local educators.

Dr. Margaret Wang, Executive Director
Laboratory for Student Success
Temple University Center for Research in Human Development and Education
933 Ritter Annex
1301 Cecil B. Moore Avenue
Philadelphia, PA 19122-6091
(215) 204-3030 or (800) 892-5550
Fax: (215) 204-5130
WWW: http://www.temple.edu/departments/LSS

Northeast Regional Technology in Education Consortium (NetTech)

ED established the Regional Technology in Education Consortia (R*TEC) program in the fall of 1995 to help States, districts, schools, adult literacy centers, and other educational institutions use advanced technology to support improved teaching and student achievement. R*TEC's role in educational technology is unique in two ways: the emphasis is regional and the primary goal is to ensure that technology is used effectively to support school reform. Program strategies include professional development, technical assistance, and information dissemination.

Bonnie Brownstein and Michael Ribaudo, Co-Directors
NetTech
City University of New York
555 West 57th Street
New York, NY 10019
(212) 541-0972 / Fax: (212) 541-0357
E-mail: blbbh@cunyvm.cuny.edu
WWW: http://www.nettech.org/

Kathy Fuller, R*TEC Project Officer
U.S. Department of Education
Office of Educational Research and Improvement
ORAD/SLSD, Room 506c
555 New Jersey Avenue NW
Washington, DC 20208-5644
(202) 219-2281
E-mail: Kathy_Fuller@ed.gov

▶Department of Energy (DOE)

Princeton Plasma Physics Laboratory

The laboratory welcomes field trips and provides guided tours of its facility. It also sponsors summer teacher enhancement institutes for New Jersey and Pennsylvania teachers. Research opportunities are available for undergraduates across the United States. The Science on Saturdays lecture series, a nine-week program (January–March) geared toward high school students, is open to all.

Diane Carroll, Head
Science Education Program
Princeton Plasma Physics Laboratory
Princeton University
James Forrestal Campus
PO Box 451, Route 1
Princeton, NJ 08543
(609) 243-2107 / Fax: (609) 243-2112
E-mail: dcarroll@pppl.gov

▶Department of the Interior (DOI)

Bureau of Land Management Eastern States Office

This office provides information about educational programs, materials, and local land-management issues.

Education Coordinator
Bureau of Land Management
7450 Boston Boulevard
Springfield, VA 22153
(703) 440-1713

Gateway National Recreation Area

In the Ecology Village Camping Program, students and teachers explore the environment, sleep in tents, prepare meals outdoors, and practice teamwork at an Ecology Village campsite. Classes study science, nature, and history at the shore and in the uplands habitat.

Educational opportunities at Sandy Hook include programs in oceanography, geology, and the marine environment. These programs educate teachers, students, families, and other groups, about the importance of the ocean and its resources.

Maggie Zadorozny, Environmental Education Specialist
Gateway National Recreation Area Headquarters
Floyd Bennett Field
Brooklyn, NY 11234
(718) 338-3606 / Fax: (718) 338-3560

Minerals Management Service (MMS) Regional Office

The MMS Regional Office provides a range of educational services. Teacher inservice programs and classroom visitations may include supplemental materials. Availability may be limited, but arrangements may be made for duplication of some materials at minimal cost.

Office of Communications and Governmental Affairs
Education Coordinator
Minerals Management Service
1849 C Street NW, LMS4230
Washington, DC 20240-0001
(202) 208-3985 / Fax: (202) 208-3968

Offshore Minerals Management Technical Communications Service
Minerals Management Service
381 Eldon Street, MS 4530
Herndon, VA 20170-4817
(703) 787-1080 / Fax: (703) 787-1186

Project WILD

Project WILD offers teacher training and educational materials. Teacher guides, free to teachers who attend the training session, contain more than 80 supplementary, interdisciplinary activities for grades K–12.

Miriam Dunne, Project WILD Coordinator
Division of Fish, Game, and Wildlife
Request Center, Rural Route 1, Box 389
Oxford, NJ 07863
(908) 637-4125 / Fax: (908) 637-6735

Larry Sarner
Aquatic WILD Coordinator
Division of Fish, Game and Wildlife
PO Box 418
Port Republic, NJ 08241
(609) 748-2031 / Fax: (609) 748-2032

U.S. Fish and Wildlife Service

Earth Stewards is an innovative environmental education program developed by the U.S. Fish and Wildlife Service, the National Biological Service, and the National Fish and Wildlife Foundation. The program's goal is to educate students at all grade levels about varied natural resource issues in their community via a course curriculum and hands-on stewardship activities.

Angela V. Graziano, Communications Specialist
U.S. Fish and Wildlife Service
New Jersey Field Office
927 North Main Street, Building D
Pleasantville, NJ 08232
(609) 646-9310 / Fax: (609) 646-0352

▶Department of Labor (DOL)

Job Training Partnership Act (JTPA) Liaison

The JTPA Liaison can provide information about the Job Training Partnership Act State and local programs for economically disadvantaged adults and youth.

Raymond L. Bramucci, Commissioner
State of New Jersey Department of Labor
CN110
Trenton, NJ 08625
(609) 292-2323 / Fax: (609) 633-9271

▶Department of Transportation (DOT)

Federal Aviation Administration (FAA) Aviation Education

The FAA Aviation Education Representative coordinates aviation education services, including materials and programs for the FAA in the States assigned to the region.

Programs include:

- **The Aviation Career Education (ACE) Academy** is a one week summer aviation education program for high school students sponsored by the FAA along with a host educational institution. The program provides students with diverse experiences in aviation career exploration. The focus is on aviation career clusters identified by FAA, with an emphasis on opportunities for women and minorities. A goal is to have one program in each State and U.S. Territory. The FAA will conduct regional leadership workshops and provide funds based on the availability of resources.
- **Aviation Education Workshops for Teachers** provide teachers with information on FAA aviation programs and materials and prepare them to teach aviation in the classroom. Annual workshops are conducted at colleges and universities across the Nation. The FAA provides information, materials, and speakers for the program.
- **National Congress on Aviation and Space Education** is sponsored annually by the FAA in partnership with the National Aeronautics and Space Administration and the Civil Air Patrol. The meeting includes teacher workshops and crosstalk sessions to exchange ideas on promoting aerospace education.

Jim Szakary, AEA-61
FAA Aviation Education Representative
JFK International Airport
Federal Building, #111
Jamaica, NY 11430
(718) 553-3364 / Fax: (718) 553-1455

Carleen Genna, ACM-120
FAA Aviation Education Representative
Atlantic City International Airport
Human Resource
Management Division
Atlantic City, NJ 08405
(609) 485-6630 / Fax: (609) 485-4391

FAA Aviation Education Resource Centers

Located at colleges, museums, and State aviation authority offices, these centers function as information distribution centers for Federal Aviation Administration education materials and resources. The Resource Centers maintain and provide quantities of printed materials, videotapes, and computer educational software. Center personnel can also provide general information, conduct workshops, and make aviation-related presentations.

Dr. Martha Pocsi
Aviation Education Resource Center
Northeast Curriculum Coordination Center
Division of Vocational Education
Crest Way
Aberdeen, NJ 07747
(908) 290-1900

Paul Rigby
Aviation Education Resource Center
Atlantic Community College
5100 Black Horse Pike
Mays Landing, NJ 08330
(609) 343-5113

▶Environmental Protection Agency (EPA)

EPA Regional Office

This office takes part in a variety of environmental education programs for both teachers and students. Programs range from teacher workshops and student contests to in-school presentations. Information on environmental issues is also available through the Public Information Center located at the office.

Terry Ippolito, Environmental Education Coordinator
Environmental Protection Agency
290 Broadway, 26th Floor
New York, NY 10007
(212) 637-3671 / Fax: (212) 637-4445

The President's Environmental Youth Awards Program

Young people from each State are invited to participate in PEYA, a nationwide program designed to encourage individuals, school classes, summer camps, public interest groups, and youth organizations to promote environmental awareness and community involvement. The two components of the program are the regional certificate program and the National awards competition. Regional certificates, signed by the President, are awarded to each participant by EPA regional offices. National individual project winners, or one representative from a National award-winning group project, along with one sponsor, are honored at EPA headquarters in Washington, DC. Interested K–12 individuals or groups may obtain application materials and contest rules by contacting the EPA Regional Office that serves their State. PEYA has been an ongoing project since it was created by the White House Office of Education and the EPA in 1971.

EPA Region 2
290 Broadway, 26th Floor
New York, NY 10007
(212) 637-3678 / Fax: (212) 637-4445

▶National Aeronautics and Space Administration (NASA)

NASA Educator Resource Center

The center has NASA-related educational materials in various formats, including laserdiscs, CD-ROMs, videotapes, slides, audiotapes, publications, and teacher guides. Educators may preview or copy NASA materials upon request.

Educator Resource Laboratory
NASA Goddard Space Flight Center
Mail Code 130.3
Greenbelt, MD 20771-0001
(301) 286-8570

NASA Field Centers

Each field center has an educational programs officer who is responsible for precollege education programs. In addition to administering National programs, the center offers programs and services to meet regional and local needs.

Education Programs
NASA Goddard Space Flight Center
Mail Code 130
Greenbelt, MD 20771-0001
(301) 286-7206

NASA Regional Educator Resource Center (RERC)

To offer more educators the opportunity to visit the Educator Resource Center Network (ERCN), NASA forms partnerships with planetariums, universities, museums, and other nonprofit organizations to serve as RERCs. Teachers may preview or copy NASA materials upon request.

Georgian Court College
NASA Regional Educator Resource Center
900 Lakewood Avenue
Lakewood, NJ 08701-2697
(908) 364-2200, ext. 479

Space Grant Consortium

The Space Grant Consortium in each State consists of colleges, universities, industry, and other organizations that have an interest in aeronautics and space education. Each consortium receives NASA funds for use in implementing a balanced program of research, education, and public service.

New Jersey Space Grant Consortium
Stevens Institute of Technology
Castle Point on the Hudson
Hoboken, NJ 07030
(201) 216-8964

▶National Science Foundation (NSF)

Statewide Systemic Initiatives Program

New Jersey's Statewide Systemic Initiatives Program strengthens mathematics, science, and technology education in grades K–8 through professional support networks among schools and 14 partner institutions. The establishment of models for K–12 reform is being achieved through partnerships representing a cross section of the State's economically and culturally diverse resources. The program includes a set of new policy initiatives and State commitments.

Rebecca Lubetkin, Deputy Project Director
Consortium for Educational Equity
4090 Livingston Campus
Rutgers University
New Brunswick, NJ 08903
(908) 445-2071 / Fax: (908) 445-0027
E-mail: lubetki@gardalf.rutgers.edu

Pennsylvania

▶Department of Agriculture (USDA)

4-H State Leader

The State 4-H Youth Development Programs are administered by the Cooperative Extension Service at land-grant universities. State 4-H leaders coordinate outreach services and training to all county offices.

Dr. Edgar Yoder, State 4-H Leader and
Department Head
4-H and Youth Development
The Pennsylvania State University
323 Agriculture Administration
University Park, PA 16802-2601
(814) 865-1688 / Fax: (814) 863-4753
E-mail: ed_yoder@agcs.cas.psu.edu

Ag in the Classroom State Leader

This program promotes increased understanding of agriculture and possible careers in the agricultural sciences. With National leadership provided by USDA, each State manages its own programs, with assistance from agribusiness, educational institutions, and government.

Pat Sueck
534 Kennedy Road
Arrville, PA 17302
(717) 862-3486

Youth Enrichment Program

Sponsored by the Agricultural Research Service, this program provides first-hand science experience for more than 100 high school students interested in attending college and pursuing science careers.

Rosanna Taylor, Manager
U.S. Department of Agriculture
Office of the Administrator
Special Programs, Room 3552-S
1400 Independence Avenue SW
Washington, DC 20250-0301
(202) 720-3511

▶Department of Defense (DoD)

Science and Engineering Apprentice Program

This program, supported by DoD and administered by The George Washington University, is designed to provide research experience for high school students attending school near the participating research facility. Each student works with a senior scientist or engineer who acts as a mentor for eight weeks during the summer.

Roseann Castonguay
Naval Surface Warfare Center
Philadelphia (NSWC-P)
EEO, Code 3250.2
Philadelphia, PA 19112-5087
(215) 897-7642

▶Department of Education (ED)

Eisenhower State Coordinators

Eisenhower State Coordinators administer the Eisenhower Professional Development Program State Formula grants. The program focuses on sustained and intensive high-quality professional development through inservice programs.

Jacqueline B. Jackson
Eisenhower Mathematics and Science Program
Division of Federal Programs
Pennsylvania Department of Education
333 Market Street, Seventh Floor
Harrisburg, PA 17126-0333
(717) 787-7117 / Fax: (717) 783-6900

Eisenhower State Coordinators for Higher Education

Eisenhower State Coordinators oversee the Eisenhower Professional Development State Formula Grants for the State Agency for Higher Education (SAHE). The program focuses on teacher enhancement through both inservice and preservice programs.

Linda J. Benedetto
Eisenhower Professional Development Program
Pennsylvania Department of Education
Bureau of Postsecondary Services
333 Market Street, 12th Floor
Harrisburg, PA 17126-0333
(717) 772-3623 / Fax: (717) 783-0583

Mid-Atlantic Eisenhower Consortium for Mathematics and Science Education

The Eisenhower Regional Consortium provides information and technical assistance to help States and school districts improve mathematics and science education.

Keith Kershner, Director
Mid-Atlantic Eisenhower Consortium for Mathematics and Science Education
444 North Third Street
Philadelphia, PA 19123-4107
(215) 574-9300 / Fax: (215) 574-0133
E-mail: kershner@rbs.org
WWW: http://www.rbs.org/eisenhower/

Mid-Atlantic Laboratory for Student Success (LSS)

LSS identifies effective teaching techniques and school improvement efforts within the region and shares this information with State and local educators.

Dr. Margaret Wang, Executive Director
Laboratory for Student Success
Temple University Center for Research in Human Development and Education
933 Ritter Annex
1301 Cecil B. Moore Avenue
Philadelphia, PA 19122-6091
(215) 204-3030 or (800) 892-5550
Fax: (215) 204-5130
WWW: http://www.temple.edu/departments/LSS

Northeast Regional Technology in Education Consortium (NetTech)

ED established the Regional Technology in Education Consortia (R*TEC) program in the fall of 1995 to help States, districts, schools, adult literacy centers, and other educational institutions use advanced technology to support improved teaching and student achievement. R*TEC's role in educational technology is unique in two ways: the emphasis is regional and the primary goal is to ensure that technology is used effectively to support school reform. Program strategies include professional development, technical assistance, and information dissemination.

Bonnie Brownstein and Michael Ribaudo, Co-Directors
NetTech
City University of New York
555 West 57th Street
New York, NY 10019
(212) 541-0972 / Fax: (212) 541-0357
E-mail: blbbh@cunyvm.cuny.edu
WWW: http://www.nettech.org/

Kathy Fuller, R*TEC Project Officer
U.S. Department of Education
Office of Educational Research and Improvement
ORAD/SLSD, Room 506c
555 New Jersey Avenue NW
Washington, DC 20208-5644
(202) 219-2281
E-mail: Kathy_Fuller@ed.gov

▶Department of Energy (DOE)

Appalachian Regional Commission (ARC) and Oak Ridge National Laboratory (ORNL)

A summer science, mathematics, and technology Teacher Leadership Institute is available for secondary teachers to participate in research-based programs at ORNL. The institute is provided in a two-week summer residential format patterned after the ORNL/National Science Foundation (NSF) National Teacher Enhancement Project and Leadership Institute. Participants are selected by the ARC from secondary schools throughout the ARC region. The focus is on hands-on laboratory research applying the tools and methods used in ongoing ORNL projects in research areas (as appropriate for each teacher's teaching assignment), pedagogy, and leadership. The program will feature telecommunications instruction at the ORNL Regional Science Center and telecommunications will be the primary method used for academic year follow-up and continued interactions with the teachers. Participants in the Teacher Leadership Institute will be hosted by several ORNL research divisions based on each teacher's background and interests. A program coordinator with experience in teacher preparation/higher education delivers instruction in pedagogy and educational leadership.

ARC and ORNL also collaborate on a summer science, mathematics, and technology Summer Science Honors Academy for ARC students to participate in research-based programs at ORNL. Student participants (seniors or graduating seniors) will be selected by the ARC from secondary schools throughout the ARC region. Students will be teamed with research mentors to participate in hands-on laboratory research applying the tools and methods used in ongoing ORNL projects. Students will also receive telecommunications instruction at the ORNL Regional Science Center.

Terry L. Lashley, Education Partnerships Team Leader
Oak Ridge National Laboratory
Office of University and Science Education
PO Box 2008
5500A, MS 6366
Oak Ridge, TN 37831-6366
(423) 574-0689 / Fax: (423) 241-6726
E-mail: TL7@ornl.gov

Pittsburgh Energy Technology Center

Center programs include a consortium for high school students and technology seminars for teachers. This center also provides a K–6 training seminar with materials.

Fred Brown
Pittsburgh Energy Technology Center
Office of Research and Development
PO Box 10940
Pittsburgh, PA 15236
(412) 892-5942 / Fax: (412) 892-6204

▶ Department of the Interior (DOI)

Allegheny Portage Railroad National Historic Site

A Clash of Societies is a multimedia program dealing with the breaking of the South Fork Dam, which resulted in the Johnstown Flood of 1889.

Gregory J. Zaborowski, Education Specialist
Allegheny Portage Railroad NHS
PO Box 189
Cresson, PA 16630
(814) 886-6100 or 886-6153
Fax: (814) 886-6117

Bureau of Land Management Eastern States Office

This office provides information about educational programs, materials, and local land-management issues.

Education Coordinator
Bureau of Land Management
7450 Boston Boulevard
Springfield, VA 22153
(703) 440-1713

Erie National Wildlife Refuge

Instruction in the Endangered Species program is designed to increase the awareness of endangered species, the reasons they are endangered, and what is being done to help the recovery. The program has hands-on activities for students.

Other programs include the following:

- **The Wildlife Education Program** consists of four separate courses (including Project WILD and Project Learning Tree) offering educators an opportunity to develop awareness, knowledge, and skills related to fish and wetland environments, plant species, animals and their habitats, and photography as a tool for studying the natural world.
- **The Junior Duck Stamp Conservation and Design Program** is a dynamic, active arts curriculum to teach wetlands and waterfowl conservation to students in grades K–12. This program is designed to incorporate scientific and wildlife management principles into a visual arts curriculum. This nontraditional pairing of subjects brings new interest to both the sciences and the arts.

Janet A. Marvin, Outdoor Recreation Planner
Erie NWR
RD 1, Wood Duck Lane
Guys Mills, PA 16327
(814) 789-3585 / Fax: (814) 789-2909
E-mail: r5rw_enwr@mail.fws.gov

Delaware Water Gap National Recreation Area

How Clean Is Our Stream? is a water quality monitoring program that uses chemical tests and a biotic index (macroinvertebrate study).

In Walk to the Falls, students are introduced to the natural and cultural history of the ravine and its unique ecosystem.

Randy Turner, Chief
Division of Interpretation
Delaware Water Gap NRA
Bushkill, PA 18324
(717) 588-2432 / Fax: (717) 588-2780

John Heinz National Wildlife Refuge

In addition to an environmental education materials library, the refuge offers several teacher workshops that promote teacher use of the refuge. Demonstration activities and consultation explain how to use the refuge.

Outdoor Recreation Planner
John Heinz National Wildlife Refuge
Suite 104, Scott Plaza Two
Philadelphia, PA 19113
(215) 521-0662 / Fax: (215) 521-0611

Upper Delaware Scenic and Recreational River

Programs at the Upper Delaware Scenic and Recreational River include guided walks that focus primarily on the River's ecology. In-school presentations may be requested.

In the Junior Ranger Program, students learn about the Delaware River both environmentally and culturally. The activities, some of which are hands-on, cover water quality, river safety, the Roebling Aqueduct, Zane Grey, etc.

Ingrid A. Peterec, Education Coordinator
Upper Delaware SandRR
PO Box C
Narrowsburg, NY 12764
(717) 685-4871 / Fax: (717) 685-4874

Project WILD

Project WILD offers teacher training and educational materials. Teacher guides, free to teachers who attend the training session, contain more than 80 supplementary, interdisciplinary activities for grades K–12.

Theresa Alberici, Project WILD Coordinator
Division of Information and Education
Pennsylvania Game Commission
2001 Elmerton Avenue
Harrisburg, PA 17110-9797
(717) 787-6286 / Fax: (717) 783-2411

Carl Richardson
Project WILD Coordinator
Pennsylvania Fish and Boat Commission
PO Box 67000
Harrisburg, PA 17106-7000
(717) 557-4518 / Fax: (717) 557-4549

▶ Department of Labor (DOL)

Job Training Partnership Act (JTPA) Liaison

The JTPA Liaison can provide information about the Job Training Partnership Act State and local programs for economically disadvantaged adults and youth.

Robert N. Grant, Executive Deputy Secretary
Department of Labor and Industry
Seventh and Forster Streets, Room 1700
Harrisburg, PA 17120
(717) 787-3157 / Fax: (717) 783-5225

▶ Department of Transportation (DOT)

Federal Aviation Administration (FAA) Aviation Education

The FAA Aviation Education Representative coordinates aviation education services, including materials and programs for the FAA in the States assigned to the region.

Programs include the following:

- **The Aviation Career Education (ACE) Academy** is a one-week summer aviation education program for high school students sponsored by the FAA along with a host educational institution. The program provides students with diverse experiences in aviation career exploration. The focus is on aviation career clusters identified by FAA, with an emphasis on opportunities for women and minorities. A goal is to have one program in each State and U.S. Territory. The FAA will conduct regional leadership workshops and provide funds based on the availability of resources.
- **Aviation Education Workshops for Teachers** provide teachers with information on FAA aviation programs and materials and prepare them to teach aviation in

the classroom. Annual workshops are conducted at colleges and universities across the Nation. The FAA provides information, materials, and speakers for the program.

- **National Congress on Aviation and Space Education** is sponsored annually by the FAA in partnership with the National Aeronautics and Space Administration and the Civil Air Patrol. The meeting includes teacher workshops and crosstalk sessions to exchange ideas on promoting aerospace education.

Jim Szakary, AEA-61, FAA Aviation
Education Representative
JFK International Airport
Federal Building, #111
Jamaica, NY 11430
(718) 553-3364 / Fax: (718) 553-1455

FAA Aviation Education Resource Centers

Located at colleges, museums, and State aviation authority offices, these centers function as information distribution centers for Federal Aviation Administration education materials and resources. The Resource Centers maintain and provide quantities of printed materials, videotapes, and computer educational software. Center personnel can also provide general information, conduct workshops, and make aviation-related presentations.

Robert Powell, Assistant Professor
Community College of Beaver County
Aviation Sciences Center
125 Cessna Drive
Beaver Falls, PA 15010-1080
(412) 847-7000

▶Environmental Protection Agency (EPA)

EPA Regional Office

This office takes part in a variety of environmental education programs for both teachers and students. Programs range from teacher workshops and student contests to in-school presentations. Information on environmental issues is also available through the Public Information Center located at the office.

Bonnie Smith and Nan Ides, Environmental
Education Coordinators
Environmental Protection Agency
841 Chestnut Street (3EA20)
Philadelphia, PA 19107
(215) 566-5546 / Fax: (215) 566-5102

The President's Environmental Youth Awards (PEYA) Program

Young people from each State are invited to participate in PEYA, a nationwide program designed to encourage individuals, school classes, summer camps, public interest groups, and youth organizations to promote environmental awareness and community involvement. The two components of the program are the regional certificate program and the National awards competition. Regional certificates, signed by the President, are awarded to each participant by EPA regional offices. National individual project winners, or one representative from a National award-winning group project, along with one sponsor, are honored at EPA headquarters in Washington, DC. Interested K–12 individuals or groups may obtain application materials and contest rules by contacting the EPA Regional Office that serves their State. PEYA has been an ongoing project since it was created by the White House Office of Education and the EPA in 1971.

EPA Region 3
81 Chestnut Street (3EA20)
Philadelphia, PA 19107
(215) 566-5543 / Fax: (215) 566-5102

▶National Aeronautics and Space Administration (NASA)

NASA Educator Resource Center

The center has NASA-related educational materials in various formats, including laserdiscs, CD-ROMs, videotapes, slides, audiotapes, publications, and teacher guides. Educators may preview or copy NASA materials upon request.

Educator Resource LaboratoryNASA
Goddard Space Flight Center
Mail Code 130.3
Greenbelt, MD 20771-0001
(301) 286-8570

NASA Field Centers

Each field center has an educational programs officer who is responsible for precollege education programs. In addition to administering National programs, the center offers programs and services to meet regional and local needs.

Education Programs
NASA Goddard Space Flight Center
Mail Code 130
Greenbelt, MD 20771-0001
(301) 286-7206

NASA Regional Educator Resource Center (RERC)

To offer more educators the opportunity to visit the Educator Resource Center Network (ERCN), NASA forms partnerships with planetariums, universities, museums, and other nonprofit organizations to serve as RERCs. Teachers may preview or copy NASA materials upon request.

University of Pittsburgh School of Education
Computer Curriculum Information Center
NASA Regional Educator Resource Center
230 South Boquet Street
Pittsburgh, PA 15260
(412) 648-7560/7558

Space Grant Consortium

The Space Grant Consortium in each State consists of colleges, universities, industry, and other organizations that have an interest in aeronautics and space education. Each consortium receives NASA funds for use in implementing a balanced program of research, education, and public service.

Pennsylvania Space Grant Consortium
The Pennsylvania State University
101 South Frear
University Park, PA 16802
(814) 863-7688

- Colorado
- Kansas
- Missouri
- Nebraska
- North Dakota
- South Dakota
- Wyoming

Mid-continent Region

Eisenhower High Plains Consortium for Mathematics and Science

Eisenhower High Plains Consortium for Mathematics and Science

The Eisenhower High Plains Consortium (HPC) for Mathematics and Science at McREL is one of the 10 Eisenhower Mathematics and Science Regional Consortia established by the U.S. Department of Education. The National Network of Eisenhower Regional Consortia and the Eisenhower National Clearinghouse for Mathematics and Science Education form a coordinated, field-based National infrastructure to promote systemic educational reform. The Consortium and the Mid-continent Regional Educational Laboratory (McREL) serve a seven-State region. HPC enhances and builds on existing resources, creating new partnerships that span district and State boundaries and link private and public schools, businesses, and industries. The Consortium facilitates ongoing projects, links programs through established communication networks, and maximizes the impact of existing resources in the seven-State region. Efforts are focused on four specific functions—communication, professional development, curriculum frameworks, and institutionalization.

In the area of communication, HPC promotes the use of electronic communication both within each State and within the region. Every attempt is made to work collaboratively with partners in each State to make technology more accessible to teachers and students. HPC has set up a listserv for mathematics educators that is accessible on the Internet. Conference calls initiated by the Consortium are used to promote communication among job-alike groups, such as the Statewide Systemic Initiative (SSI) State coordinators. HPC also serves as a facilitator on a number of topics to various groups throughout the region.

In the area of professional development, HPC has worked with key groups in each State, including the State education agency, to aid in the coordination of multiple State-level initiatives. These initiatives include emerging State curriculum frameworks and the teacher training necessary to refine, adapt, adopt, and implement the frameworks at the local level. Upon request, HPC also provides professional development on alternative assessment and curriculum framework development to numerous school districts. Professional development opportunities with optional graduate credit are being provided or cosponsored by HPC during the summer in several States. HPC staff expertise in mathematics and science serves as a resource for teachers from kindergarten through post-secondary school.

In the area of curriculum framework development and refinement, HPC provides staff expertise and two Laboratory Network Program documents, *Curriculum Frameworks Analysis Tool* and *A Summary of Analyzed State Curriculum Frameworks*. HPC also has worked closely with State groups to facilitate the planning and writing of various grants to assist the State framework development process.

In the area of institutionalization, the State-level advisory teams are establishing a coordinated professional development effort within each State. Additionally, the shift from producing an HPC newsletter to submitting articles to State-level educational newsletters reflects an institutionalization process.

To assist teachers in their efforts to improve instructional practice, HPC seeks to identify "Promising Practices." The process has resulted in the identification of five programs to date. These programs are:

- **CMEA-MESA** is a multidisciplinary studies program in Denver, Colorado, which develops interest in science, engineering, and related fields, targeting minority student participation from grades 6–12. The program stimulates career awareness and motivation through field trips, role model speakers, competitions, incentive awards, college and career counseling, summer enrichment opportunities, and internships.
- **MathVantage** is a product of Nebraska mathematics teachers under the direction of the Nebraska Mathematics and Science Coalition in Lincoln. The MathVantage materials target seventh- and eighth-grade students, presenting mathematics from a different perspective—a different "vantage" point. These materials demonstrate a relevance to the student's life and emphasize active participation on the part of the student.
- **Teaching Science Concepts Using Discrepant Events** from Kansas State University in Manhattan is a compilation of more than 250 discrepant scientific events that can be used by teachers of Earth science, physics, chemistry, and biology in upper-elementary or middle schools to stimulate students' interest and motivation. These discrepant events are written as hands-on investigation activities and minds-on exercises.
- **Small Scale Science-STAR^3 Program** provides teachers of middle-level science (grades 5–9) with the necessary confidence and skills to employ small-scale science in the classroom. The program comprises an inquiry-based series of hands-on experiments that have been used successfully from upper-elementary through university classrooms.
- **K–6 Science and Mathematics Enhancement Program (KSAM)** from Southeast Missouri State University encourages the utilization of an effective, process-based instructional strategy in K–6 science and mathematics. KSAM provides teachers with process-based activities and training in addition to pertinent materials and support.

For additional information about these or other promising practices from around the country, contact HPC.

Dr. John Sutton,
Senior Director/Mathematics and Collaboration

Alice Krueger,
Senior Associate/Science and Collaboration

Arlene Mitchell,
Senior Associate/Mathematics and Action Research

Elaine DeBassige,
Program Associate/Nature Education Initiatives/Informal Education

Dr. Martha Henry,
Senior Associate/Science and Collaboration

Jeff Johnson,
Senior Associate/Technology, Mathematics and Case Studies

Phyllis Thomas,
Senior Associate/Evaluation

Greg Rawls,
Senior Associate/Science, Technology, and Collaboration

Deborah Jordan,
Senior Associate/Science, Assessment, and Collaboration

Eisenhower High Plains Consortium
2550 South Parker Road, Suite 500
Aurora, CO 80014
(800) 949-6387
(303) 337-0990 / Fax: (303) 337-3005
WWW: http://www.mcrel.org/hpc

Colorado

▶Department of Agriculture (USDA)

4-H State Leader

The State 4-H Youth Development Programs are administered by the Cooperative Extension Service at land-grant universities. State 4-H leaders coordinate outreach services and training to all county offices.

Dr. Dorothy H. Martin, Assistant Director
4-H Youth Development
Colorado State University
123 Aylesworth Hall, NW
Fort Collins, CO 80523
(970) 491-6421 / Fax: (970) 491-5108
E-mail: state4h@shep.agsci.colostate.edu

Ag in the Classroom State Leader

This program promotes increased understanding of agriculture and possible careers in the agricultural sciences. With National leadership provided by USDA, each State manages its own programs, with assistance from agribusiness, educational institutions, and government.

Helen Davis
Colorado Department of Agriculture
700 Kipling, #4000
Lakewood, CO 80215-5894
(303) 239-4114 / Fax: (303) 866-4073

Bette Blinde
Colorado Foundation for Agriculture
28276 WRC15
Windsor, CO 80550
(303) 686-7806

▶Department of Commerce (DOC)

Environmental Research Laboratories

These laboratories offer guided tours, curriculum materials, and in-class presentations.

Carol Knight
Office of Oceanic and Atmospheric Research
National Oceanic and Atmospheric Administration
Environmental Research Laboratories
325 Broadway
Boulder, CO 80303-3328
(303) 497-6401

National Institute of Standards and Technology Student Programs

These programs provide employment for high school, undergraduate, and graduate level students who are pursuing courses in physical sciences, engineering, computer science, or mathematics.

Mary Bruner
National Institute of Standards and Technology
325 Broadway, MS 360.06
Boulder, CO 80303
(303) 497-5507

▶Department of Education (ED)

Eisenhower High Plains Consortium for Mathematics and Science

The Eisenhower Regional Consortium provides information and technical assistance to help States and school districts improve mathematics and science education.

John Sutton, Director
Eisenhower High Plains Consortium for Mathematics and Science
2550 South Parker Road, Suite 500
Aurora, CO 80014
(800) 949-6387
(303) 337-0990 / Fax: (303) 337-3005
E-mail: jsutton@mcrel.org
WWW: http://www.mcrel.org/hpc

Eisenhower State Coordinators

Eisenhower State Coordinators administer the Eisenhower Professional Development Program State Formula grants. The program focuses on sustained and intensive high-quality professional development through inservice programs.

Mattye Pollard-Cole
Eisenhower Professional Development Program
Colorado Department of Education
201 East Colfax Avenue
Denver, CO 80203
(303) 866-6763 / Fax: (303) 830-0793

Eisenhower State Coordinators for Higher Education

Eisenhower State Coordinators oversee the Eisenhower Professional Development State Formula Grants for the State Agency for Higher Education (SAHE). The program focuses on teacher enhancement through both inservice and preservice programs.

Dr. Sharon Samson, Academic Officer
Colorado Commission on Higher Education
1300 Broadway, Second Floor
Denver, CO 80203
(303) 866-2723 / Fax: (303) 860-9750

Mid-continent Regional Educational Laboratory (McREL)

McREL identifies effective teaching techniques and school improvement efforts within the region and shares this information with State and local educators.

Tim Waters, Executive Director
Mid-continent Regional Educational Laboratory
2550 South Parker Road, Suite 500
Aurora, CO 80014
(800) 949-6387
(303) 337-0990 / Fax: (303) 337-3005

Pacific and Southwest Regional Technology in Education Consortium (PSR*TEC)

ED established the Regional Technology in Education Consortia (R*TEC) program in the fall of 1995 to help States, districts, schools, adult literacy centers, and other educational institutions use advanced technology to support improved teaching and student achievement. R*TEC's role in educational technology is unique in two ways: the emphasis is regional and the primary goal is to ensure that technology is used effectively to support school reform. Program strategies include professional development, technical assistance, and information dissemination.

Kevin Rocap, Director
PSR*TEC
Center for Language Minority Education and Research
c/o College of Education
California State University, Long Beach
1250 Bellflower Boulevard
Long Beach, CA 90840-2201
(310) 985-1570 / Fax: (310) 985-4528
E-mail: krocap@csulb.edu
WWW: http://www.csulb.edu/~clmer/pswrtc/pswrtc.html

Neal Kaske, R*TEC Project Officer
U.S. Department of Education
Office of Educational Research and
  Improvement
Office of Library Programs, Room 300h
555 New Jersey Avenue NW
Washington, DC 20208-5571
(202) 219-1871
E-mail: nkaske@inet.ed.gov

▶Department of Energy (DOE)

Adventures in Supercomputing (AiS)

The AiS program is designed to foster and enhance the participation of diverse populations of high school students in mathematics, science, and computing.

Barbara G. Summers, Education Program
  Manager
Oak Ridge National Laboratory
Office of University and Science Education
PO Box 2008, MS 6366
Oak Ridge, TN 37831-6366
(423) 241-3705 / Fax: (423) 241-6776
E-mail: summersbg@ornl.gov

National Renewable Energy Laboratory (NREL)

NREL provides teacher workshops, student internships, and summer programs for students and teachers. It works with several partnership programs, including NSF Colorado Statewide Systemic Initiative. NREL conducts student competitions and is the National contact for the Junior Solar Spring Competition.

Linda Lung, Education Programs Manager
1617 Cole Boulevard, Building 15
Golden, CO 80401-3933
(303) 275-3044 / Fax: (303) 275-3076
E-mail: linda_lung@nrel.gov

Rocky Flats Plant

This facility sponsors teacher workshops and programs for students, along with a variety of outreach assistance and support programs.

Laura Schachter
Rocky Flats Office
PO Box 928
Golden, CO 80402-0928
(303) 966-2200 / Fax: (303) 966-3418

Western Area Power Administration (WAPA)

WAPA conducts the Colorado Regional Science Bowl, an academic competition sponsored by DOE and the community. Held each February, the Bowl encourages the study of science and mathematics and the pursuit of related careers. Participants in the competition include Native American and other minority students from the State of Colorado. The regional winner advances to the National Competition, held each spring in Washington, DC.

Mary D'Amato
Western Area Power Administration—
  Loveland
PO Box 3700
Golden, CO 80539
(303) 490-7201 / Fax: (303) 490-7213

Ernie Baier
Western Area Power Administration—
  Montrose
1800 South Rio Grande Avenue
Montrose, CO 81401
(303) 240-6248 / Fax: (303) 240-6254

▶Department of the Interior (DOI)

Anasazi Heritage Center

This center provides resources and classroom activities in such areas as archaeology, geography, science, history, and English.

Anasazi Heritage Center
27501 Highway 184
PO Box 758
Dolores, CO 81323
(303) 882-4811

Bureau of Indian Affairs (BIA)

Natural Resources in Mathematics and Science for Schools is a program held to provide educators from BIA schools with both reference information and curricula-inspiring expertise. The goal is to help sixth through 12th grade Native American students attending BIA schools understand the importance of the petroleum industry to the American society; how oil and natural gas are formed and produced; and the economic impact of oil and gas revenues on Tribal governments and individual mineral owners. Through this effort, BIA teachers will be able to better prepare their students, many of whom will become heirs to tribal and family mineral resources, for future responsibilities.

A guest speaker is periodically scheduled for Natural Resources Management Classes to discuss the importance of oil and gas to our society. Topics include how resources are produced, refined, and used and what types of work are available in private industry and government. These classes are used to acquaint college students with the petroleum industry and the economic impact of revenues for owners who are Native American.

William Trujillo, Senior Program Analyst
Box 25165, MS 3010
Denver, CO 80225
(303) 231-3350 / Fax: (303) 231-3780

Bureau of Land Management State Office

This office provides information about educational programs, materials, and local land-management issues.

Public Affairs Specialist
Bureau of Land Management
Colorado State Office
Office of External Affairs
2850 Youngfield Street
Lakewood, CO 80215
(303) 239-3671

Bureau of Reclamation

The Archaeology and Public Education program encourages the incorporation of archaeology into schools. The Bureau's personnel go into classrooms to assist teachers, give talks at senior citizen groups, etc. The Bureau also provides funding to other organizations to help them pursue archaeology and education.

A variety of environmental subjects, with an emphasis on water resources, is offered to teachers and students in grades K–12. Subjects vary from groundwater model to instant snow storms and wetlands in a pan. Programs are presented in the classroom as well as outdoors at laboratory schools, summer camps, and at some visitor centers. The program currently operates in the States of California, Colorado, Montana, Nevada, Idaho, and Utah. For example, the groundwater model is used to show effects of various pollutions of groundwater. Programs can be given in short sessions at water festivals, education fairs, and State/county fairs, or in longer sessions for classroom instruction.

Edward Friedman, Federal Preservation
  Officer
Denver Federal Center
D-5650
Denver, CO 80225
(303) 236-1061 / Fax: (303) 236-0890

Theresa Taylor, Environmental Education
  Program Assistant
Denver Federal Center, D-5100
Building 67
Denver, CO 80225
(303) 236-9336, ext. 262 / Fax: (303) 236-3573

Bureau of Reclamation Hydraulic Laboratory

This lab offers tours and demonstrations of working models of reclamation projects, including modern and unique instrumentation and testing equipment used by engineers.

Phil Burgi
Bureau of Reclamation
PO Box 25007 (D-3700)
Denver, CO 80225-0007
(303) 236-5985 / Fax: (303) 236-4096

Colorado National Monument

The monument offers guided walks and teacher guides that focus primarily on environmental education and geology.

The Young Naturalists program consists of week-long workshops for youngsters ages 9–12 who are interested in learning about the environs of western Colorado. Each morning the group visits a different site with professional interpreters from agencies including USDA Forest Service, Colorado Division of Wildlife, NPS, BLM, U.S. Fish and Wildlife. Topics are "See the Forest for the Trees," "Water, Water Everywhere?" and "Like Pieces in a Puzzle."

Ron Young, Chief of Interpretation
Colorado National Monument Association
Colorado National Monument
Fruita, CO 81521
(303) 858-3617

Colorado River Hydroexplorer

In this program game, students guide a mini-submarine, Hydroexplorer, down the length of the Colorado River from its headwaters in Colorado, Utah, Wyoming, and New Mexico through Arizona, Nevada, and California to Mexico and the Sea of Cortez. Along the way, students study the many uses of the river: recreation, power generation, agriculture and irrigation, wildlife habitat protection, and urban use for industry and homes. They look at where the water comes from, how it carves the land, why it has sediments and salts in it, how it was explored, and how its waters have been divided by the States it flows through. Ultimately, students learn that since there are so many uses of the water and there is a limited supply, it is important to conserve water in their homes and schools.

Steve Jones, Water Conservation Manager
PO Box 61470
Boulder City, NV 89005
(702) 293-8196 / Fax: (702) 293-8042

Curecanti National Recreation Area

In the spring and fall, environmental education outreach programs are offered for grades K–8. Curriculum materials are provided for both teachers and students. Educators may choose in-class presentations or onsite day field trips.

Curecanti National Recreation Area Environmental Education Outreach Program/Curecanti Teacher Continuing Education Workshops are available. Opportunities include extensive year-round, onsite educational programs, field experiences, computer resource systems, onsite classrooms, college internship program, GIS and Internet capability, and graduate teacher continuing education workshops.

Phil Zichterman, Chief, Interpretation and Education
National Park Service
Curecanti National Recreation Area
102 Elk Creek
Gunnison, CO 81230
(303) 641-2337, ext. 227 / Fax: (303) 641-3127
E-mail: phil_zichterman@cure.nps.gov

Dinosaur National Monument

The Environmental Education Outreach Program focuses on how the Dinosaur National Monument preserves part of the ecosystem in which we live. The program discusses ecosystem workings, communities in the ecosystem, human impacts on the ecosystem, and how to sustain the ecosystem.

David Whitman, Chief of Interpretation
Dinosaur National Monument
4545 East Highway 40
Dinosaur, CO 81610-9724
(303) 374-2216

Earth Science Information Center, Lakewood

This center offers information and sales service for U.S. Geological Survey map products and Earth science publications.

Lakewood ESIC
Denver Federal Center, MS 504
Box 25046, Building 810
Denver, CO 80225-0046
(303) 236-5829

Florissant Fossil Beds

Orientation to the Fossil Beds is geared for all age groups with age-appropriate curriculum packets and activities. Also offered is the history of Colorado with an onsite visit to historic Homestead and other programs, including Exploring Ecosystems and Endangered Species. Half-day field seminars are given in the summer with varied topics. The teacher course is titled Introduction to the Natural Sciences.

Margaret Johnston, Chief Ranger
Florissant Fossil Beds
PO Box 185
Florissant, CO 80816
(719) 748-3253 / Fax: (719) 748-3164

Mesa Verde National Park

The park offers guided tours for educators. Programs concentrate primarily on anthropology and history. A teacher guide provides a series of suggested curricula and activities to enhance visits to the park. It also includes some travel/logistical information.

Sarah Craighead, Assistant Chief of Interpretation
Mesa Verde National Park
PO Box 8
Mesa Verde National Park, CO 81330
(303) 529-4475 / Fax: (303) 529-4498

Mid-Continent Ecological Science Center

Programs include natural resources management courses that provide training for professional resource managers in areas such as instream flow, incremental methodology, habitat evolution procedures, managing environmental conflict, and supporting software.

Thomas J. O'Shea, Assistant Director
Mid-Continent Ecological Science Center
4512 McMurry Avenue
Fort Collins, CO 80525
(303) 226-9397 / Fax: (303) 226-9230

Minerals Management Service (MMS) Regional Office

This office provides a range of educational services. Teacher inservice programs and classroom visitations may include supplemental materials. Availability may be limited, but arrangements may be made for duplication of some materials at minimal cost.

Royalty Management Program
Minerals Management Service
Office of Public Affairs
1201 Elmwood Park Boulevard, MS 500
PO Box 25165
Lakewood, CO 80225
(303) 231-3162 / Fax: (303) 231-3780

Morrow Point Dam

Located on the Gunnison River, the Visitor Center offers information and self-guided tours of the facility.

Jayne Kelleher
Public Affairs Office
Upper Colorado Region
Bureau of Reclamation
PO Box 11568 (UC-140)
Salt Lake City, UT 84147-0568
(801) 524-6039

Pathways to Fishing

The program acquaints children ages 7–11 who have little or no fishing experience with fishing basics, aquatic ecology, angler ethics, and fish biology.

Will Tully, Environmental Specialist
Eastern Colorado Area Office
11-56 West County Road, 18E
Loveland, CO 80537
(303) 962-4368 / Fax: (303) 663-3212

Project Water Education for Teachers (WET)

Project WET is an interdisciplinary water education program intended to supplement a school's existing curriculum. Classroom-ready teaching aides being developed include activity guides and modules for grades K–12, computer simulations, water-history publications, groundwater flow models, and a series of children's story and action books.

Chris Bridges, Project WET Coordinator
Colorado Water Conservation Board
1313 Sherman Street, Room 721
Denver, CO 80203
(303) 866-3441

Project WILD

Project WILD offers teacher training and educational materials. Teacher guides, free to teachers who attend the training session, contain more than 80 supplementary, interdisciplinary activities for grades K–12.

Jeff Rucks, Acting Project WILD
Coordinator
Colorado Division of Wildlife
6060 North Broadway
Denver, CO 80216
(303) 291-7262, ext. 7300
Fax: (303) 294-0874

Ridgeway Dam

The Visitor Center offers self-guided nature walks and educational programs for students.

Jayne Kelleher
Public Affairs Office
Upper Colorado Region
Bureau of Reclamation
PO Box 11568 (UC-140)
Salt Lake City, UT 84147-0568
(801) 524-6039

Rocky Mountain Arsenal National Wildlife Refuge

The refuge is located 10 miles from downtown Denver on the doorstep of 2 million city dwellers who have few opportunities to connect with the natural world. The unique history of this site—as an area where indigenous people hunted and roamed; where settlers built ditches, ponds, and farmsteads; where the U.S. Army manufactured chemical weapons for use in World War II and during the Cold War; where private corporations created pesticides for agricultural use; and now where the U.S. Fish and Wildlife Service will manage one of the Nation's largest urban wildlife refuges—makes this a special place for examining the relationship of people with nature. The overall message of all educational activities is that people need to help overcome past environmental mistakes and take responsibility for making the refuge and elsewhere better places.

Service staff and volunteers lead environmental education programs for grades K–12 at the refuge. Programs are grade-specific and offered year round at no charge. Each teacher receives the *Rocky Mountain Arsenal National Wildlife Area Teacher Resource Guide* (developed in cooperation with the Denver Museum of Natural History), which includes pre- and post-visit activities for grades 4–12. As part of a cooperative agreement with the Service, the Colorado Wildlife Federation conducts educational presentations in the schools to prepare students for their trips to the refuge. In FY94, 17,000 students participated in environmental education programs.

Debbie Long, Supervisory Education
Specialist
U.S. Fish and Wildlife Service
Rocky Mountain Arsenal NWR
Building 11
Commerce City, CO 80022-1748
(907) 289-0232 / Fax: (303) 289-0579

Rocky Mountain National Park

Programs at the park include guided nature tours and lectures that focus on geology, ecology, and environmental education.

Division of Interpretation
Rocky Mountain National Park
Estes Park, CO 80517
(303) 586-2371

Scientists in the Schools

Regional Office scientists adopt local schools and provide environmental education services to these schools through classroom presentations and involvement in school activities. Scientists attend optional training to enhance their teaching skills. Participants do not necessarily need a scientific background to be contributing members of the program.

Sheri Fetherman, Chief, Branch of Education
and Visitor Services
PO Box 25486, DFL
Denver, CO 80225
(303) 236-8145, ext. 649
Fax: (303) 236-4792

Texas Creek Riparian Area

In the Outdoor Classroom program, students travel to the Texas Creek Riparian Area to learn about fish sampling, macroinvertebrates, birds, ecosystems, and management of natural resources. Presenters are BLM and USFS employees and teachers.

Ken Smith
Bureau of Land Management
3170 East Main Street
Canon City, CO 81212
(719) 269-8500

Water Resources Education Initiative

This program is developing water resources educational materials for students in grades K–12. Materials include a series of educational posters about water resources and a set of outreach notebooks for use by water resources professionals when visiting educational settings.

Steve Vandas, Hydrologist
United State Geological Survey
PO Box 25046, DFC, MS 414
Denver, CO 80225
(303) 236-4937 / Fax: (303) 236-4937

▶ Department of Labor (DOL)

Job Training Partnership Act (JTPA) Liaison

The JTPA Liaison can provide information about the Job Training Partnership Act State and local programs for economically disadvantaged adults and youth.

Leslie S. Franklin, Executive Director
Governor's Job Training Office
720 South Colorado Boulevard, Suite 550
Denver, CO 80222
(303) 758-5020 / Fax: (303) 758-5578

▶ Department of Transportation (DOT)

Federal Aviation Administration (FAA) Aviation Education

The FAA Aviation Education Representative coordinates aviation education services, including materials and programs for the FAA in the States assigned to the region.

Programs include the following:

- **The Aviation Career Education (ACE) Academy** is a one-week summer aviation education program for high school students sponsored by the FAA along with a host educational institution. The program provides students with diverse experiences in aviation career exploration. The focus is on aviation career clusters identified by FAA, with an emphasis on opportunities for women and minorities. A goal is to have one program in each State and U.S. Territory. The FAA will conduct regional leadership workshops and provide funds based on the availability of resources.

- **Aviation Education Workshops for Teachers** provide teachers with information on FAA aviation programs and materials and prepare them to teach aviation in the classroom. Annual workshops are conducted at colleges and universities across the Nation. The FAA provides information, materials, and speakers for the program.
- **National Congress on Aviation and Space Education** is sponsored annually by the FAA in partnership with the National Aeronautics and Space Administration and the Civil Air Patrol. The meeting includes teacher workshops and crosstalk sessions to exchange ideas on promoting aerospace education.

Herman Payton, ANM-14A, FAA Aviation Education Representative
1601 Lind Avenue SW
Renton, WA 98055-4056
(206) 227-2079 / Fax: (206) 227-1010

FAA Aviation Education Resource Centers

Located at colleges, museums, and State aviation authority offices, these centers function as information distribution centers for Federal Aviation Administration education materials and resources. The Resource Centers maintain and provide quantities of printed materials, videotapes, and computer educational software. Center personnel can also provide general information, conduct workshops, and make aviation-related presentations.

Jonathan R. Burke, Assistant Professor
Aviation Education Resource Center
Metropolitan State College of Denver
Aerospace Science Department
Campus Box 30, PO Box 173362
Denver, CO 80217-3362
(303) 556-2923

Dr. Jerry Brown, Educational Director
Aviation Education Resource Center
U.S. Space Foundation
2860 South Circle Drive, Suite 2301
Colorado Springs, CO 80906-4181
(719) 576-8000

Herman Payton, ANM-14A, FAA Aviation Education Representative
1601 Lind Avenue SW
Renton, WA 98055-4056
(206) 227-2079 / Fax: (206) 227-1010

▶ Environmental Protection Agency (EPA)

EPA Regional Office

This office takes part in a variety of environmental education programs for both teachers and students. Programs range from teacher workshops and student contests to in-school presentations. Information on environmental issues is also available through the Public Information Center located at the office.

Cece Forget, Environmental Education Coordinator
Environmental Protection Agency
One Denver Place (OCPI)
999 18th Street, Suite 500
Denver, CO 80202-2405
(303) 312-6605 / Fax: (303) 312-6961

The President's Environmental Youth Awards (PEYA) Program

Young people from each State are invited to participate in PEYA, a Nationwide program designed to encourage individuals, school classes, summer camps, public interest groups, and youth organizations to promote environmental awareness and community involvement. The two components of the program are the regional certificate program and the National awards competition. Regional certificates, signed by the President, are awarded to each participant by EPA Regional Offices. National individual project winners, or one representative from a National award-winning group project, along with one sponsor, are honored at EPA headquarters in Washington, DC. Interested K–12 individuals or groups may obtain application materials and contest rules by contacting the EPA Regional Office that serves their State. PEYA has been an ongoing project since it was created by the White House Office of Education and the EPA in 1971.

EPA Region 8
999 18th Street
Denver, CO 80202-2466
(303) 312-6605 / Fax: (303) 312-6961

▶ National Aeronautics and Space Administration (NASA)

NASA Educator Resource Center

The Center has NASA-related educational materials in various formats, including laserdiscs, CD-ROMs, videotapes, slides, audiotapes, publications, and teacher guides. Educators may preview or copy NASA materials upon request.

U.S. Space Foundation
NASA Regional Educator Resource Center
2860 South Circle Drive, Suite 2301
Colorado Springs, CO 80906-4184
(719) 576-8000

NASA Johnson Space Center
Educator Resource Center
Mail Code AP-2
2101 NASA Road One
Houston, TX 77058-3696
(713) 483-8696

NASA Field Centers

Each field center has an educational programs officer who is responsible for precollege education programs. In addition to administering National programs, the center offers programs and services to meet regional and local needs.

Dr. Robert W. Fitzmaurice, Center Education Programs Officer
Public Affairs Office AP2
NASA Johnson Space Center
2101 NASA Road One
Houston, TX 77058-3696
(713) 483-1257

Space Grant Consortium

The Space Grant Consortium in each State consists of colleges, universities, industry, and other organizations that have an interest in aeronautics and space education. Each consortium receives NASA funds for use in implementing a balanced program of research, education, and public service.

Colorado Space Grant Consortium
University of Colorado at Boulder
Campus Box 520
Boulder, CO 80309-0520
(303) 492-3141

▶ National Science Foundation (NSF)

Statewide Systemic Initiatives (SSI) Program

The Colorado SSI Program, CONNECT, seeks to develop a centralized enabling structure for bottom-up changes by making extensive use of existing successful efforts. It uses the State's local collaborative partnerships, regional collaboratives, and a State infrastructure to engage the public, link standards development with actual change, and provide leadership.

William Randall, Project Director
CONNECT
1580 Logan, Suite 740
Denver, CO 80203
(303) 894-2140 / Fax: (303) 894-2141

Henry Heikkinen
Department of Chemistry
University of Northern Colorado
Greeley, CO 80639
(303) 351-1289, ext. 1280
Fax: (303) 351-1269

Kansas

▶Department of Agriculture (USDA)

4-H State Leader

The State 4-H Youth Development Programs are administered by the Cooperative Extension Service at land-grant universities. State 4-H leaders coordinate outreach services and training to all county offices.

Dr. Gary W. Gerhard, Assistant Extension Director
4-H and Youth Development
Kansas State University
Umberger Hall, Room 201
Manhattan, KS 66506-3404
(913) 532-5800 / Fax: (913) 532-5981
E-mail: ggerhard@oz.oznet.ksu.edu

Ag in the Classroom State Leader

This program promotes increased understanding of agriculture and possible careers in the agricultural sciences. With National leadership provided by USDA, each State manages its own programs, with assistance from agribusiness, educational institutions, and government.

Sandra Kramer
Kansas State University
124 Bluemont Hall
Manhattan, KS 66506
(913) 532-7946 / Fax: (913) 532-7304

▶Department of Education (ED)

Eisenhower High Plains Consortium for Mathematics and Science

The Eisenhower Regional Consortium provides information and technical assistance to help States and school districts improve mathematics and science education.

John Sutton, Director
Eisenhower High Plains Consortium for Mathematics and Science
2550 South Parker Road, Suite 500
Aurora, CO 80014
(800) 949-6387
(303) 337-0990 / Fax: (303) 337-3005
E-mail: jsutton@mcrel.org
WWW: http://www.mcrel.org/hpc

Eisenhower State Coordinators

Eisenhower State Coordinators administer the Eisenhower Professional Development Program State Formula grants. The program focuses on sustained and intensive high-quality professional development through inservice programs.

Kenneth Gentry
Eisenhower Professional Development Program
Kansas Department of Education
120 East 10th Street
Topeka, KS 66612-1182
(913) 296-2306 / Fax: (913) 296-7933

Eisenhower State Coordinators for Higher Education

Eisenhower State Coordinators oversee the Eisenhower Professional Development State Formula Grants for the State Agency for Higher Education (SAHE). The program focuses on teacher enhancement through both inservice and preservice programs.

Dr. John F. Welsh
Eisenhower Professional Development Program
Kansas Board of Regents
400 SW Eighth Street, Suite 609
Topeka, KS 66603
(913) 296-3421 / Fax: (913) 296-0983

Mid-continent Regional Educational Laboratory (McREL)

The Regional Educational Laboratory identifies effective teaching techniques and school improvement efforts within the region and shares this information with State and local educators.

Tim Waters, Executive Director
Mid-continent Regional Educational Laboratory
2550 South Parker Road, Suite 500
Aurora, CO 80014
(800) 949-6387
(303) 337-0990 / Fax: (303) 337-3005

South Central Regional Technology in Education Consortium (SCR*TEC)

ED established the Regional Technology in Education Consortia (R*TEC) program in the fall of 1995 to help States, districts, schools, adult literacy centers, and other educational institutions use advanced technology to support improved teaching and student achievement. R*TEC's role in educational technology is unique in two ways: the emphasis is regional and the primary goal is to ensure that technology is used effectively to support school reform. Program strategies include professional development, technical assistance, and information dissemination.

Ron Aust and Jerry D. Chaffin, Co-Directors
SCR*TEC
Center for Research on Learning
University of Kansas
Dole Human Development Building—Suite 2021
Lawrence, KS 66045
(913) 864-0699 or 4954
Fax: (913) 864-4149
E-mail: aust@scrtec.org or jchaffin@scrtec.org
WWW: http://scrtec.org/

Stephen Balkcom, R*TEC Project Officer
U.S. Department of Education
Office of Educational Research and Improvement
ORAD/SLSD, Room 506g
555 New Jersey Avenue NW
Washington, DC 20208-5644
(202) 219-2089
E-mail: sbalkcom@inet.ed.gov

▶Department of the Interior (DOI)

Bureau of Land Management State Office

This office provides information about educational programs, materials, and local land-management issues.

Theresa Herrera
Bureau of Land Management
PO Box 27115
Santa Fe, NM 87502-0115
(505) 438-7841

Project WILD

Project WILD offers teacher training and educational materials. Teacher guides, free to teachers who attend the training session, contain more than 80 supplementary, interdisciplinary activities for grades K–12.

Roland Stein, Project WILD Coordinator
Kansas Department of Wildlife and Parks
Rural Route 2, Box 54A
Pratt, KS 67124
(316) 672-5911 / Fax: (316) 672-6020

Connie Elpers, Project WILD Coordinator
455 North Main, 11th Floor
Wichita, KS 67202
(316) 722-7929 / Fax: (316) 268-4567

Quivira National Wildlife Refuge

The refuge offers teacher workshops to educators who wish to use it as an outdoor classroom. It is also the State host for the Federal Junior Duck Stamp Program, a National arts curriculum/conservation program. Quivira receives the Kansas artwork, hosts the contest judging, and handles the artwork. Curriculum guides and entry forms are sent out in the fall. These materials can be acquired from the refuge if teachers have not received the information from Washington, DC.

Briedi Zinn, Refuge Operations Specialist
Quivira NWR
RR3, Box 48A
Stafford, KS 67578
(316) 486-2393

▶Department of Labor (DOL)

Job Training Partnership Act (JTPA) Liaison

The JTPA Liaison can provide information about the Job Training Partnership Act State and local programs for economically disadvantaged adults and youth.

Joe Dick, Secretary
Kansas Department of Human Resources
401 Topeka Boulevard
Topeka, KS 66603
(913) 296-7474 / Fax: (913) 296-0179

▶Department of Transportation (DOT)

Federal Aviation Administration (FAA) Aviation Education

The FAA Aviation Education Representative coordinates aviation education services, including materials and programs for the FAA in the States assigned to the region.

Programs include the following:

- **The Aviation Career Education (ACE) Academy** is a one-week summer aviation education program for high school students sponsored by the FAA along with a host educational institution. The program provides students with diverse experiences in aviation career exploration. The focus is on aviation career clusters identified by FAA, with an emphasis on opportunities for women and minorities. A goal is to have one program in each State and U.S. Territory. The FAA will conduct regional leadership workshops and provide funds based on the availability of resources.
- **Aviation Education Workshops for Teachers** provide teachers with information on FAA aviation programs and materials and prepare them to teach aviation in the classroom. Annual workshops are conducted at colleges and universities across the Nation. The FAA provides information, materials, and speakers for the program.
- **National Congress on Aviation and Space Education** is sponsored annually by the FAA in partnership with the National Aeronautics and Space Administration and the Civil Air Patrol. The meeting includes teacher workshops and crosstalk sessions to exchange ideas on promoting aerospace education.

Maria Navarro, ACE-10, FAA Aviation Education Representative
601 East 12th Street
Federal Building, Room 1501
Kansas City, MO 64106
(816) 426-3046 / Fax: (816) 426-3091

FAA Aviation Education Resource Centers

Located at colleges, museums, and State aviation authority offices, these centers function as information distribution centers for Federal Aviation Administration education materials and resources. The resource centers maintain and provide quantities of printed materials, videotapes, and computer educational software. Center personnel can also provide general information, conduct workshops, and make aviation-related presentations.

Edward E. Berger, President
Aviation Education Resource Center
Hutchinson Community College
1300 North Plum
Hutchinson, KS 67501
(316) 665-3505

Karlene Propst
Aviation Education Resource Center
Kansas State University, Salina
Tullis Library
2408 Scanlan Avenue
Salina, KS 67401
(913) 825-0275

Patricia Altwegg
Cloud County Community College
Box 1002
2221 Campus Drive
Concordia, KS 66901
(800) 729-5101

▶Environmental Protection Agency (EPA)

EPA Regional Office

This office takes part in a variety of environmental education programs for both teachers and students. Programs range from teacher workshops and student contests to in-school presentations. Information on environmental issues is also available through the Public Information Center located at the office.

Rowena Michaels, Environmental Education Coordinator
Environmental Protection Agency
726 Minnesota Avenue
Kansas City, KS 66101
(913) 551-7003 / Fax: (913) 551-7066

The President's Environmental Youth Awards (PEYA) Program

Young people from each State are invited to participate in PEYA, a Nationwide program designed to encourage individuals, school classes, summer camps, public interest groups, and youth organizations to promote environmental awareness and community involvement. The two components of the program are the regional certificate program and the National awards competition. Regional certificates, signed by the President, are awarded to each participant by EPA Regional Offices. National individual project winners, or one representative from a National award-winning group project, along with one sponsor, are honored at EPA headquarters in Washington, DC. Interested K–12 individuals or groups may obtain application materials and contest rules by contacting the EPA Regional Office that serves their State. PEYA has been an ongoing project since it was created by the White House Office of Education and the EPA in 1971.

EPA Region 7
726 Minnesota Avenue
Kansas City, KS 66101
(913) 551-7003 / Fax: (913) 551-7066

▶National Aeronautics and Space Administration (NASA)

NASA Educator Resource Center

The Center has NASA-related educational materials in various formats, including laserdiscs, CD-ROMs, videotapes, slides, audiotapes, publications, and teacher guides. Teachers may preview or copy NASA materials upon request.

NASA Johnson Space Center
Educator Resource Center
Mail Code AP-2
2101 NASA Road One
Houston, TX 77058-3696
(713) 483-8696

NASA Field Centers

Each field center has an educational programs officer who is responsible for precollege education programs. In addition to administering National programs, the center offers programs and services to meet regional and local needs.

Dr. Robert W. Fitzmaurice, Center Education Programs Officer
Public Affairs Office AP2
NASA Johnson Space Center
2101 NASA Road One
Houston, TX 77058-3696
(713) 483-1257

NASA Regional Educator Resource Center (RERC)

To offer more educators the opportunity to visit the Educator Resource Center Network (ERCN), NASA forms partnerships with planetariums, universities, museums, and other nonprofit organizations to serve as RERCs. Teachers may preview or copy NASA materials upon request.

Kansas Cosmosphere and Space Center
NASA Regional Educator Resource Center
1100 North Plum
Hutchinson, KS 67501-1499
(316) 662-2305, (800) 397-0330

Space Grant Consortium

The Space Grant Consortium in each State consists of colleges, universities, industry, and other organizations that have an interest in aeronautics and space education. Each consortium receives NASA funds for use in implementing a balanced program of research, education, and public service.

Kansas Space Grant Consortium
University of Kansas
Department of Aerospace Engineering
2004 Learned Hall
Lawrence, KS 66045-2221
(913) 864-4265

Missouri

▶ Department of Agriculture (USDA)

4-H State Leader

The State 4-H Youth Development Programs are administered by the Cooperative Extension Service at land-grant universities. State 4-H leaders coordinate outreach services and training to all county offices.

Dr. L. Jo Turner, Director, 4-H Youth
University of Missouri
212 Whitten Hall
Columbia, MO 65211
(573) 882-7430 / Fax: (573) 884-4225
E-mail: turnerj@ext.missouri.edu

Ag in the Classroom State Leader

This program promotes increased understanding of agriculture and possible careers in the agricultural sciences. With National leadership provided by USDA, each State manages its own programs, with assistance from agribusiness, educational institutions, and government.

Diane Olsen
Missouri Farm Bureau
PO Box 658
Jefferson City, MO 65102
(573) 893-1400 / Fax: (573) 893-1540

▶ Department of Defense (DoD)

U.S. Army Engineer Museum

This museum offers guided tours and educational programs that focus on aspects of military engineering. Reservations are required.

U.S. Army Engineer Museum
Attention: ATZT-PTM-PM
Fort Leonard Wood, MO 65473-5165
(573) 596-0780

▶ Department of Education (ED)

Eisenhower High Plains Consortium for Mathematics and Science

The Eisenhower Regional Consortium provides information and technical assistance to help States and school districts improve mathematics and science education.

John Sutton, Director
Eisenhower High Plains Consortium for Mathematics and Science
2550 South Parker Road, Suite 500
Aurora, CO 80014
(800) 949-6387
(303) 337-0990 / Fax: (303) 337-3005
E-mail: jsutton@mcrel.org
WWW: http://www.mcrel.org/hpc

Eisenhower State Coordinators

Eisenhower State Coordinators administer the Eisenhower Professional Development Program State Formula grants. The program focuses on sustained and intensive high-quality professional development through inservice programs.

Dr. Stephen Barr, Director
Instructional Improvement and Resources
Eisenhower Professional Development Program
Missouri Department of Elementary and Secondary Education
PO Box 480
Jefferson City, MO 65102
(314) 751-3520 / Fax: (314) 751-9434

Eisenhower State Coordinators for Higher Education

Eisenhower State Coordinators oversee the Eisenhower Professional Development State Formula Grants for the State Agency for Higher Education (SAHE). The program focuses on teacher enhancement through both inservice and preservice programs.

Ava L. Fajen
Eisenhower Professional Development Program
Missouri State Institutions of Higher Learning
Coordinating Board of Higher Education
3515 South Amazonas Street
Jefferson City, MO 65109
(314) 751-2361 / Fax: (314) 751-6635

Mid-continent Regional Educational Laboratory (McREL)

The Regional Educational Laboratory identifies effective teaching techniques and school improvement efforts within the region and shares this information with State and local educators.

Tim Waters, Executive Director
Mid-continent Regional Educational Laboratory
2550 South Parker Road, Suite 500
Aurora, CO 80014
(800) 949-6387
(303) 337-0990 / Fax: (303) 337-3005

South Central Regional Technology in Education Consortium (SCR*TEC)

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Ron Aust and Jerry D. Chaffin, Co-Directors
SCR*TEC
Center for Research on Learning
University of Kansas
Dole Human Development Building—Suite 2021
Lawrence, KS 66045
(913) 864-0699 or 4954
Fax: (913) 864-4149
E-mail: aust@scrtec.org or jchaffin@scrtec.org
WWW: http://scrtec.org/

Stephen Balkcom, R*TEC Project Officer
U.S. Department of Education
Office of Educational Research and Improvement
ORAD/SLSD, Room 506g
555 New Jersey Avenue NW
Washington, DC 20208-5644
(202) 219-2089
E-mail: sbalkcom@inet.ed.gov

▶Department of Energy (DOE)

AlliedSignal Aerospace Company

In addition to establishing partnerships with local schools, AlliedSignal participates in career and science fairs and academic contests and provides tours of its facility.

Richard Bennett
AlliedSignal Aerospace Company
Federal Manufacturing and Technologies
PO Box 419159, 2000 East 95th Street
Kansas City, MO 64141-6159
(816) 997-5937 / Fax: (816) 997-7259

▶Department of the Interior (DOI)

Bureau of Land Management Eastern States Office

This office provides information about educational programs, materials, and local land-management issues.

Education Coordinator
Bureau of Land Management
7450 Boston Boulevard
Springfield, VA 22153
(703) 440-1713

Environmental and Contaminants Center

Earth Stewards is a pilot program that uses the expertise of the Fish and Wildlife Service and National Biological Service (NBS) to educate school children and communities about fish and wildlife resources and local conservation problems.

In the Storm Drain Stenciling Project, NBS scientists teach youth groups basics about watersheds, aquatic ecology, and community service. Activities all lead to a community project: stenciling signs on storm drains to prevent dumping of hazardous waste.

Bill Mauck, Director
Environmental and Contaminants Center
4200 New Haven Road
Columbia, MO 65201
(573) 875-5399 / Fax: (573) 876-1896

Ozark National Scenic Riverways

Programs include guided nature walks, ranger lectures, and cave tours. In-school activities are also available upon request.

Division of Interpretation
Ozark National Scenic Riverways
PO Box 493
Van Buren, MO 63965
(573) 323-4236

Project WILD

Project WILD offers teacher training and educational materials. Teacher guides, free to teachers who attend the training session, contain more than 80 supplementary, interdisciplinary activities for grades K–12.

Bruce Evans
Kansas City School District
301 East Armour Boulevard, Suite 620
Kansas City, MO 64111
(816) 871-6397 / Fax: (816) 871-6393

Jim Jordan
Education Department
St. Louis Zoo, Forest Park
St. Louis, MO 83110
(314) 781-0900, ext. 340
Fax: (314) 647-7969

▶Department of Labor (DOL)

Job Training Partnership Act (JTPA) Liaison

The JTPA Liaison can provide information about the Job Training Partnership Act State and local programs for economically disadvantaged adults and youth.

Julie Gibson, Director
Division of Job Development and Training
Missouri Department of Economic Development
221 Metro Drive
Jefferson City, MO 65109
(573) 751-7796 / Fax: (573) 751-6765

▶Department of Transportation (DOT)

Federal Aviation Administration (FAA) Aviation Education

The FAA Aviation Education Representative coordinates aviation education services, including materials and programs for the FAA in the States assigned to the region.

Programs include the following:

- **The Aviation Career Education (ACE) Academy** is a one-week summer aviation education program for high school students sponsored by the FAA along with a host educational institution. The program provides students with diverse experiences in aviation career exploration. The focus is on aviation career clusters identified by FAA, with an emphasis on opportunities for women and minorities. A goal is to have one program in each State and U.S. Territory. The FAA will conduct regional leadership workshops and provide funds based on the availability of resources.
- **Aviation Education Workshops for Teachers** provide teachers with information on FAA aviation programs and materials and prepare them to teach aviation in the classroom. Annual workshops are conducted at colleges and universities across the Nation. The FAA provides information, materials, and speakers for the program.

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Maria Navarro, ACE-10, FAA Aviation
Education Representative
601 East 12th Street
Federal Building, Room 1501
Kansas City, MO 64106
(816) 426-3046 / Fax: (816) 426-3091

FAA Aviation Education Resource Centers

Located at colleges, museums, and State aviation authority offices, these centers function as information distribution centers for Federal Aviation Administration education materials and resources. The resource centers maintain and provide quantities of printed materials, videotapes, and computer educational software. Center personnel can also provide general information, conduct workshops, and make aviation-related presentations.

Al Myers, Director
Lincoln University
Career Advisement Planning and Placement
Center
127 Thompkins
Jefferson City, MO 65102-0029
(314) 681-5477

▶ Environmental Protection Agency (EPA)

EPA Regional Office

This office takes part in a variety of environmental education programs for both teachers and students. Programs range from teacher workshops and student contests to in-school presentations. Information on environmental issues is also available through the Public Information Center located at the office.

Rowena Michaels, Environmental Education
Coordinator
Environmental Protection Agency
726 Minnesota Avenue
Kansas City, KS 66101
(913) 551-7003 / Fax: (913) 551-7066

The President's Environmental Youth Awards (PEYA) Program

Young people from each State are invited to participate in PEYA, a Nationwide program designed to encourage individuals, school classes, summer camps, public interest groups, and youth organizations to promote environmental awareness and community involvement. The two components of the program are the regional certificate program and the National awards competition. Regional certificates, signed by the President, are awarded to each participant by EPA Regional Offices. National individual project winners, or one representative from a National award-winning group project, along with one sponsor, are honored at EPA headquarters in Washington, DC. Interested K–12 individuals or groups may obtain application materials and contest rules by contacting the EPA Regional Office that serves their State. PEYA has been an ongoing project since it was created by the White House Office of Education and the EPA in 1971.

EPA Region 7
726 Minnesota Avenue
Kansas City, KS 66101
(913) 551-7003 / Fax: (913) 551-7066

▶ National Aeronautics and Space Administration (NASA)

NASA Educator Resource Center

The center has NASA-related educational materials in various formats, including laserdiscs, CD-ROMs, videotapes, slides, audiotapes, publications, and teacher guides. Educators may preview or copy NASA materials upon request.

U.S. Space and Rocket Center
NASA Educator Resource Center for
Marshall Space Flight Center
PO Box 070015
Huntsville, AL 35807-7015
(205) 544-5812

NASA Field Centers

Each field center has an educational programs officer who is responsible for precollege education programs. In addition to administering National programs, the center offers programs and services to meet regional and local needs.

Jim Pruitt, Acting Director
Education Programs Office
Mail Code CL01
NASA Marshall Space Flight Center
Huntsville, AL 35812-0001
(205) 544-8800

Space Grant Consortium

The Space Grant Consortium in each State consists of colleges, universities, industry, and other organizations that have an interest in aeronautics and space education. Each consortium receives NASA funds for use in implementing a balanced program of research, education, and public service.

Missouri Space Grant Consortium
Washington University
One Bookings Drive, Campus Box 1169
St. Louis, MO 63130-4899
(314) 935-5609

Nebraska

▶ Department of Agriculture (USDA)

4-H State Leader

The State 4-H Youth Development Programs are administered by the Cooperative Extension Service at land-grant universities. State 4-H leaders coordinate outreach services and training to all county offices.

Dr. Gary L. Heusel, State 4-H Program
Leader
114 Agriculture Hall
University of Nebraska
Lincoln, NE 68583-0700
(402) 472-9009 / Fax: (402) 472-9024
E-mail: fhyd001@unlvm.unl.edu

Ag in the Classroom State Leader

This program promotes increased understanding of agriculture and possible careers in the agricultural sciences. With National leadership provided by USDA, each State manages its own programs, with assistance from agribusiness, educational institutions, and government.

Ellen Hellerich
Nebraska Farm Bureau Federation
PO Box 80299
Lincoln, NE 68501
(402) 421-4400, ext. 2002
Fax: (402) 421-4432

▶ Department of Education (ED)

Eisenhower High Plains Consortium for Mathematics and Science

The Eisenhower Regional Consortium provides information and technical assistance to help States and school districts improve mathematics and science education.

John Sutton, Director
Eisenhower High Plains Consortium for
Mathematics and Science
2550 South Parker Road, Suite 500
Aurora, CO 80014
(800) 949-6387
(303) 337-0990 / Fax: (303) 337-3005
E-mail: jsutton@mcrel.org
WWW: http://www.mcrel.org/hpc

Eisenhower State Coordinators

Eisenhower State Coordinators administer the Eisenhower Professional Development Program State Formula grants. The program focuses on sustained and intensive high-quality professional development through inservice programs.

James Woodland
Eisenhower Professional Development
Program
Nebraska Department of Education
PO Box 84987, 301 Centennial Mall South
Lincoln, NE 68509
(402) 471-4329 / Fax: (402) 471-0117

Eisenhower State Coordinators for Higher Education

Eisenhower State Coordinators oversee the Eisenhower Professional Development State Formula Grants for the State Agency for Higher Education (SAHE). The program focuses on teacher enhancement through both inservice and preservice programs.

Dr. Odus V. Elliott / Kathleen Fimple,
Associate Academic Officer
Eisenhower Professional Development
Program
Coordinating Commission for Postsecondary
Education
PO Box 95005
140 North Eighth Street
Lincoln, NE 68509-5005
(402) 471-0021 or 0022
Fax: (402) 471-2886

Mid-continent Regional Educational Laboratory (McREL)

The Regional Educational Laboratory identifies effective teaching techniques and school improvement efforts within the region and shares this information with State and local educators.

Tim Waters, Executive Director
Mid-continent Regional Educational
Laboratory
2550 South Parker Road, Suite 500
Aurora, CO 80014
(800) 949-6387
(303) 337-0990 / Fax: (303) 337-3005

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Ron Aust and Jerry D. Chaffin, Co-Directors
SCR*TEC
Center for Research on Learning
University of Kansas
Dole Human Development Building—Suite
2021
Lawrence, KS 66045
(913) 864-0699 or 4954
Fax: (913) 864-4149
E-mail: aust@scrtec.org or
jchaffin@scrtec.org
WWW: http://scrtec.org/

Stephen Balkcom, R*TEC Project Officer
U.S. Department of Education
Office of Educational Research and
Improvement
ORAD/SLSD, Room 506g
555 New Jersey Avenue NW
Washington, DC 20208-5644
(202) 219-2089
E-mail: sbalkcom@inet.ed.gov

▶ Department of the Interior (DOI)

Bureau of Land Management State Office

This office provides information about educational programs, materials, and local land-management issues.

Education Coordinator
Bureau of Land Management
PO Box 1828, 2515 Warren Avenue
Cheyenne, WY 82003
(307) 775-6001

Gavins Point National Fish Hatchery and Aquarium

The hatchery/aquarium works with school districts, church groups, scout troops, senior citizens, and home school groups in South Dakota, Iowa, and Nebraska to provide an Outreach Program. Education opportunities are available in the areas of fishery biology, environmental education and awareness, watchable wildlife, aquatic science, and ecology. This program provides in-school and outdoor classroom learning opportunities.

Herb Bollig, Project Leader
Gavins Point National Fish Hatchery and
Aquarium
RR 1, Box 293
Yankton, SD 57078
(605) 665-3352 / Fax: (605) 665-3360

Project WILD

Project WILD offers teacher training and educational materials. Teacher guides, free to teachers who attend the training session, contain more than 80 supplementary, interdisciplinary activities for grades K–12.

Carl Wolfe, Project WILD Coordinator
Game and Parks Commission
PO Box 30370
Lincoln, NE 68503
(402) 471-0641 / Fax: (402) 471-5528

Scotts Bluff National Monument

Rangers present in-school and onsite lectures on the geology and history of the monument.

Division of Interpretation
Scotts Bluff National Monument
PO Box 427
Gering, NE 69341
(308) 436-4340

▶ Department of Labor (DOL)

Job Training Partnership Act (JTPA) Liaison

The JTPA Liaison can provide information about the Job Training Partnership Act State and local programs for economically disadvantaged adults and youth.

Dan Dolan, Commissioner
Nebraska Department of Labor
PO Box 94600, 550 South 16th Street
Lincoln, NE 68509-4600
(402) 471-9000 / Fax: (402) 471-2318

▶ Department of Transportation (DOT)

Federal Aviation Administration (FAA) Aviation Education

The FAA Aviation Education Representative coordinates aviation education services, including materials and programs for the FAA in the States assigned to the region.

Programs include the following:

- **The Aviation Career Education (ACE) Academy** is a one-week summer aviation education program for high school students sponsored by the FAA along with a host educational institution. The program provides students with diverse experiences in aviation career exploration. The focus is on aviation career clusters identified by FAA, with an emphasis on opportunities for women and minorities. A goal is to have one program in each State and U.S. Territory. The FAA will conduct regional leadership workshops and provide funds based on the availability of resources.

- **Aviation Education Workshops for Teachers** provide teachers with information on FAA aviation programs and materials and prepare them to teach aviation in the classroom. Annual workshops are conducted at colleges and universities across the Nation. The FAA provides information, materials, and speakers for the program.
- **National Congress on Aviation and Space Education** is sponsored annually by the FAA in partnership with the National Aeronautics and Space Administration and the Civil Air Patrol. The meeting includes teacher workshops and crosstalk sessions to exchange ideas on promoting aerospace education.

Maria Navarro, ACE-10, FAA Aviation Education Representative
601 East 12th Street
Federal Building, Room 1501
Kansas City, MO 64106
(816) 426-3046 / Fax: (816) 426-3091

FAA Aviation Education Resource Centers

Located at colleges, museums, and State aviation authority offices, these centers function as information distribution centers for Federal Aviation Administration education materials and resources. The Resource Centers maintain and provide quantities of printed materials, videotapes, and computer educational software. Center personnel can also provide general information, conduct workshops, and make aviation-related presentations.

Dr. Brent Bowen, Director
Aviation Education Resource Center
University of Nebraska
Aviation Institute
60th and Dodge
Omaha, NE 68182-0508
(402) 554-3424

Val J. Hruska, Aviation Specialist
Aviation Education Resource Center
Nebraska Department of Aeronautics
PO Box 82088
Lincoln, NE 68501-2088
(402) 471-2371

▶ Environmental Protection Agency (EPA)

EPA Regional Office

This office takes part in a variety of environmental education programs for both teachers and students. Programs range from teacher workshops and student contests to in-school presentations. Information on environmental issues is also available through the Public Information Center located at the office.

Rowena Michaels, Environmental Education Coordinator
Environmental Protection Agency
726 Minnesota Avenue
Kansas City, KS 66101
(913) 551-7003 / Fax: (913) 551-7066

The President's Environmental Youth Awards (PEYA) Program

Young people from each State are invited to participate in PEYA, a Nationwide program designed to encourage individuals, school classes, summer camps, public interest groups, and youth organizations to promote environmental awareness and community involvement. The two components of the program are the regional certificate program and the National awards competition. Regional certificates, signed by the President, are awarded to each participant by EPA Regional Offices. National individual project winners, or one representative from a National award-winning group project, along with one sponsor, are honored at EPA headquarters in Washington, DC. Interested K–12 individuals or groups may obtain application materials and contest rules by contacting the EPA Regional Office that serves their State. PEYA has been an ongoing project since it was created by the White House Office of Education and the EPA in 1971.

EPA Region 7
726 Minnesota Avenue
Kansas City, KS 66101
(913) 551-7003 / Fax: (913) 551-7066

▶ National Aeronautics and Space Administration (NASA)

NASA Educator Resource Center

The Center has NASA-related educational materials in various formats, including laserdiscs, CD-ROMs, videotapes, slides, audiotapes, publications, and teacher guides. Educators may preview or copy NASA materials upon request.

NASA Johnson Space Center
Educator Resource Center
Mail Code AP-2
2101 NASA Road One
Houston, TX 77058-3696
(713) 483-8696

NASA Field Centers

Each field center has an educational programs officer who is responsible for precollege education programs. In addition to administering National programs, the center offers programs and services to meet regional and local needs.

Dr. Robert W. Fitzmaurice, Center Education Programs Officer
Public Affairs Office AP2
NASA Johnson Space Center
2101 NASA Road One
Houston, TX 77058-3696
(713) 483-1257

NASA Regional Educator Resource Center (RERC)

To offer more educators the opportunity to visit the Educator Resource Center Network (ERCN), NASA forms partnerships with planetariums, universities, museums, and other nonprofit organizations to serve as RERCs. Teachers may preview or copy NASA materials upon request.

University of Nebraska at Omaha
Mallory Kountze Planetarium
Durham Science Center, Room 144
60th and Dodge Streets
Omaha, NE 68182-0266
(402) 554-2510

University of Nebraska State Museum
NASA Regional Educator Resource Center
14th and U Streets, 307 Morrill Hall
Lincoln, NE 68588-0338
(402) 472-6302

Space Grant Consortium

The Space Grant Consortium in each State consists of colleges, universities, industry, and other organizations that have an interest in aeronautics and space education. Each consortium receives NASA funds for use in implementing a balanced program of research, education, and public service.

Nebraska Space Grant Consortium
Aviation Institute
Allwine Hall 422
University of Nebraska at Omaha
Omaha, NE 68182-0508
(402) 554-3424

▶ National Science Foundation (NSF)

Statewide Systemic Initiatives (SSI) Program

Nebraska's SSI Program focuses on mathematics education. Progress includes the establishment of partnerships among school districts; curriculum enrichment; and the incorporation of technology into the classroom, including televised mathematics programs and an electronic computer network.

W. James Lewis or Sandra K. Scofield
Nebraska Mathematics and Science Initiative
PO Box 880231
Lincoln, NE 68588-0231
(402) 472-8965
Fax: (402) 472-8466 or 9377

North Dakota

▶ Department of Agriculture (USDA)

4-H State Leader

The State 4-H Youth Development Programs are administered by the Cooperative Extension Service at land-grant universities. State 4-H leaders coordinate outreach services and training to all county offices.

Dr. Jeffrey Miller, Program Leader
4-H Youth Development
North Dakota State University
219 FLC, PO Box 5016
Fargo, ND 58105
(701) 237-7259 / Fax: (701) 231-8568
E-mail: hmec4h@ndsuext.nodak.edu

Ag in the Classroom State Leader

This program promotes increased understanding of agriculture and possible careers in the agricultural sciences. With National leadership provided by USDA, each State manages its own programs, with assistance from agribusiness, educational institutions, and government.

Sarah Nordby
North Dakota Department of Agriculture
HCI, Box 9
Aridon, ND 58620
(701) 224-4757 / Fax: (701) 224-4567

▶ Department of Education (ED)

Eisenhower High Plains Consortium for Mathematics and Science

The Eisenhower Regional Consortium provides information and technical assistance to help States and school districts improve mathematics and science education.

John Sutton, Director
Eisenhower High Plains Consortium for Mathematics and Science
2550 South Parker Road, Suite 500
Aurora, CO 80014
(800) 949-6387
(303) 337-0990 / Fax: (303) 337-3005
E-mail: jsutton@mcrel.org
WWW: http://www.mcrel.org/hpc

Eisenhower State Coordinators

Eisenhower State Coordinators administer the Eisenhower Professional Development Program State Formula grants. The program focuses on sustained and intensive high-quality professional development through inservice programs.

Ron Torgeson
Eisenhower Professional Development Program
North Dakota Department of Public Instruction
Capitol Building, 600 East Boulevard Avenue
Bismarck, ND 58505-0440
(701) 328-2270 / Fax: (701) 328-4770

Eisenhower State Coordinators for Higher Education

Eisenhower State Coordinators oversee the Eisenhower Professional Development State Formula Grants for the State Agency for Higher Education (SAHE). The program focuses on teacher enhancement through both inservice and preservice programs.

Ron Torgeson
Eisenhower Professional Development Program
North Dakota Department of Public Instruction
Capitol Building, 600 East Boulevard Avenue
Bismarck, ND 58505-0440
(701) 328-2270 / Fax: (701) 328-4770

Mid-continent Regional Educational Laboratory (McREL)

The Regional Educational Laboratory identifies effective teaching techniques and school improvement efforts within the region and shares this information with State and local educators.

Tim Waters, Executive Director
Mid-continent Regional Educational Laboratory
2550 South Parker Road, Suite 500
Aurora, CO 80014
(800) 949-6387
(303) 337-0990 / Fax: (303) 337-3005

North Central Regional Technology in Education Consortium (NCR*TEC)

ED established the Regional Technology in Education (R*TEC) program in the fall of 1995 to help States, districts, schools, adult literacy centers, and other educational institutions use advanced technology to support improved teaching and student achievement. R*TEC's role in educational technology is unique in two ways: the emphasis is regional and the primary goal is to ensure that technology is used effectively to support school reform. Program strategies include professional development, technical assistance, and information dissemination.

Randy Knuth, Director
NCR*TEC
North Central Regional Educational Laboratory
1900 North Spring Road, Suite 300
Oak Brook, IL 60521-1480
(630) 571-4710 / Fax: (630) 218-4989
E-mail: rknuth@ncrel.org
WWW: http://www.ncrtec.org/

Catherine Mozer Conner, R*TEC Program Officer
U.S. Department of Education
Office of Educational Research and Improvement
ORAD/SLSD, Room 506a
555 New Jersey Avenue NW
Washington, DC 20208-5644
(202) 219-8070
E-mail: cconnor@inet.ed.gov

▶ Department of Energy (DOE)

Western Area Power Administration (WAPA), Bismarck District Office

This office participates in the Federal junior fellowship program and coordinates a Regional Science Bowl Competition.

Bruce Frolich
Western Area Power Administration
PO Box 1173
Bismarck, ND 58502-1173
(701) 221-4507 / Fax: (701) 221-4526

▶Department of the Interior (DOI)

Audubon National Wildlife Refuge

The refuge conducts the Annual Bird Box/Feeder Workshop for elementary students. 4-H groups, Boy and Girl Scouts, and interested individuals learn about and construct bluebird houses and bird feeders. Students take home what they build at the end of the session. Construction materials are donated by local lumber companies and grain elevators.

Peter T. Smith, Assistant Project Leader
Audubon National Wildlife Refuge
RR1, Box 16
Coleharbor, ND 58531
(701) 442-5474 / Fax: (701) 442-5546

Arrowwood National Wildlife Refuge

Environmental Education Programs are tailored to the needs and/or curricula of requesting organizations. Groups consist of local classrooms of all ages, scout groups, 4-H, and other clubs. Onsite activities relate to refuge operations, mission, management, and general environmental topics. Local Project WILD facilitators are often used in addition to refuge staff.

Mark Vaniman, Refuge Manager
Arrowwood NWR
7745 11th Street, SE
Pingree, ND 58476
(701) 285-3341 / Fax: (701) 285-3350

Bureau of Land Management State Office

This office provides information about educational programs, materials, and local land-management issues.

Education Coordinator
Bureau of Land Management
PO Box 36800
222 North 32nd Street
Billings, MT 59107
(406) 255-2827

Des Lacs National Wildlife Refuge

As part of its education program, the refuge has developed *An Educator's Guide to Great Plains Fire Ecology*, a publication that enables educators to make presentations about the role of fire in grassland ecology.

Michael D. Blenden, Project Leader
Des Lacs National Wildlife Refuge
Box 578
Kenmare, ND 58746
(701) 385-4046 / Fax: (701) 385-3214

Devils Lake Wetlands Management District

Students Educated about Ecosystems is a program in which school-aged students receive instruction on the interrelationships of life forms on the refuge.

Roger Hollevoet, Project Leader
Devils Lake Wetlands Management District
PO Box 908
Devils Lake, ND 58301
(701) 662-8611 / Fax: (701) 662-8612

J. Clark Salyer National Wildlife Refuge

Programs and tours are developed and conducted according to the needs of the specific groups that visit the refuge.

Gary Erickson, Supervisory Refuge Operation Specialist
J. Clark Salyer NWR
PO Box 66
Upham, ND 58789
(701) 768-2548 / Fax: (701) 768-2834

Long Lake National Wildlife Refuge

Project WILD/Project WET Workshops are given to State educators for incorporating science, wildlife, and water education into existing curriculum.

Paul C. Van Ningen, Project Leader
Long Lake NWR Complex
12000 353 Street SE
Moffit, ND 58560
(701) 387-4397 / Fax: (701) 387-4767

Project Water Education for Teachers (WET)

Project WET is an interdisciplinary water education program intended to supplement a school's existing curriculum. Classroom-ready teaching aides being developed include activity guides and modules for grades K–12, computer simulations, water-history publications, groundwater flow models, and a series of children's story and action books.

Bill Sharff
State Water Commission
900 East Boulevard
Bismarck, ND 58505
(701) 224-4833

Project WILD

Project WILD offers teacher training and educational materials. Teacher guides, free to teachers who attend the training session, contain more than 80 supplementary, interdisciplinary activities for grades K–12.

Dave Jensen, Project WILD Coordinator
North Dakota Game and Fish
100 North Bismarck Expressway
Bismarck, ND 58501-5095
(701) 221-6322 / Fax: (701) 221-6352

Tewaukon National Wildlife Refuge

The Refuge Management for Prairie Wildlife program uses the refuge as a classroom to introduce visitors to the National Wildlife Refuge System and the variety of wildlife management practices being used to manipulate habitat for the benefit of migratory birds and resident wildlife. The refuge also offers a National Wildlife Week program consisting of materials and in-school visits by refuge staff who discuss the natural resources topic selected by the Wildlife Federation.

Jack Lalor, Refuge Operations Specialist
Tewaukon National Wildlife Refuge
9754 143 1/2 Avenue, SE
Cayuga, ND 58013
(701) 724-3598 / Fax: (701) 724-3683

Theodore Roosevelt National Park

Programs at the park include guided nature walks and activities that focus primarily on environmental education and park ecology.

Division of Interpretation
Theodore Roosevelt National Park
Box 7
Medora, ND 58645
(701) 623-4466

U.S. Fish and Wildlife Service

Endangered Species Tub Program is designed for teachers and other educators working with grades K–12. The purpose is to increase awareness and appreciation for endangered species. Materials in the tub include games, videos, puzzles, computer disks, wolf hide, preserved pallid sturgeon, and posters.

Prairie Wetlands Education Trunk Program provides trunks containing a variety of hands-on, interactive materials for use by teachers and other educators working with grades K–12. The purpose is to build awareness and understanding of the importance of wetlands. Materials include puppets and scripts, an amphibian trivia game, a wetland animal track match activity, puzzles, videos, and a teacher guide.

Kathy Martin, Botanist
Karen Kreil, Fish and Wildlife Biologist
USFWS
Ecological Services
1500 East Capitol Avenue
Bismarck, ND 58501
(701) 250-4401 / Fax: (701) 250-4400

▶Department of Labor (DOL)

Job Training Partnership Act (JTPA) Liaison

The JTPA Liaison can provide information about the Job Training Partnership Act State and local programs for economically disadvantaged adults and youth.

Gerald P. Balzer, Executive Director
North Dakota Office of Job Service
1000 East Divide Avenue, PO Box 1537
Bismarck, ND 58502-1537
(701) 224-2836 / Fax: (701) 224-4000

▶Department of Transportation (DOT)

Federal Aviation Administration (FAA) Aviation Education

The FAA Aviation Education Representative coordinates aviation education services, including materials and programs for the FAA in the States assigned to the region.

Programs include the following:

- **The Aviation Career Education (ACE) Academy** is a one-week summer aviation education program for high school students sponsored by the FAA along with a host educational institution. The program provides students with diverse experiences in aviation career exploration. The focus is on aviation career clusters identified by FAA, with an emphasis on opportunities for women and minorities. A goal is to have one program in each State and U.S. Territory. The FAA will conduct regional leadership workshops and provide funds based on the availability of resources.
- **Aviation Education Workshops for Teachers** provide teachers with information on FAA aviation programs and materials and prepare them to teach aviation in the classroom. Annual workshops are conducted at colleges and universities across the Nation. The FAA provides information, materials, and speakers for the program.
- **National Congress on Aviation and Space Education** is sponsored annually by the FAA in partnership with the National Aeronautics and Space Administration and the Civil Air Patrol. The meeting includes teacher workshops and crosstalk sessions to exchange ideas on promoting aerospace education.

Lee Carlson, AGL-11, FAA Aviation
Education Representative
O'Hare Lake Officer Center
2300 East Devon Avenue
Des Plaines, IL 60018
(708) 294-7042 / Fax: (708) 294-7368

FAA Aviation Education Resource Centers

Located at colleges, museums, and State aviation authority offices, these centers function as information distribution centers for Federal Aviation Administration education materials and resources. The resource centers maintain and provide quantities of printed materials, videotapes, and computer educational software. Center personnel can also provide general information, conduct workshops, and make aviation-related presentations.

Charles L. Robertson, Assistant Professor
Aviation Education Resource Center
University of North Dakota
Department of Aviation
Box 8216, University Station
Grand Forks, ND 58202-8216
(701) 777-2791

▶Environmental Protection Agency (EPA)

EPA Regional Office

This office takes part in a variety of environmental education programs for both teachers and students. Programs range from teacher workshops and student contests to in-school presentations. Information on environmental issues is also available through the Public Information Center located at the office.

Cece Forget, Environmental Education
Coordinator
Environmental Protection Agency
One Denver Place (OCPI)
999 18th Street, Suite 500
Denver, CO 80202-2405
(303) 312-6605 / Fax: (303) 312-6961

The President's Environmental Youth Awards (PEYA) Program

Young people from each State are invited to participate in PEYA, a Nationwide program designed to encourage individuals, school classes, summer camps, public interest groups, and youth organizations to promote environmental awareness and community involvement. The two components of the program are the regional certificate program and the National awards competition. Regional certificates, signed by the President, are awarded to each participant by EPA Regional Offices. National individual project winners, or one representative from a National award-winning group project, along with one sponsor, are honored at EPA headquarters in Washington, DC. Interested K–12 individuals or groups may obtain application materials and contest rules by contacting the EPA Regional Office that serves their State. PEYA has been an ongoing project since it was created by the White House Office of Education and the EPA in 1971.

EPA Region 8
999 18th Street
Denver, CO 80202-2466
(303) 312-6605 / Fax: (303) 312-6961

▶National Aeronautics and Space Administration (NASA)

NASA Educator Resource Center

The Center has NASA-related educational materials in various formats, including laserdiscs, CD-ROMs, videotapes, slides, audiotapes, publications, and teacher guides. Teachers may preview or copy NASA materials upon request.

NASA Johnson Space Center
Educator Resource Center
Mail Code AP-2
2101 NASA Road One
Houston, TX 77058-3696
(713) 483-8696

NASA Field Centers

Each field center has an educational programs officer who is responsible for precollege education programs. In addition to administering National programs, the center offers programs and services to meet regional and local needs.

Dr. Robert W. Fitzmaurice, Center Education
Programs Officer
Public Affairs Office AP2
NASA Johnson Space Center
2101 NASA Road One
Houston, TX 77058-3696
(713) 483-1257

NASA Regional Educator Resource Centers (RERC)

To offer more educators the opportunity to visit the Educator Resource Center Network (ERCN), NASA forms partnerships with planetariums, universities, museums, and other nonprofit organizations to serve as RERCs. Teachers may preview or copy NASA materials upon request.

University of North Dakota
NASA Regional Educator Resource Center
The Wayne Peterson Room
Clifford Hall—5th Floor
Space Studies Department
PO Box 9008, University Station
Grand Forks, ND 58202-9008
(701) 777-4856 / (800) 828-4274

Space Grant Consortium

The Space Grant Consortium in each State consists of colleges, universities, industry, and other organizations that have an interest in aeronautics and space education. Each consortium receives NASA funds for use in implementing a balanced program of research, education, and public service.

North Dakota Space Grant Consortium
University of North Dakota
Department of Space Studies, Box 9008
Grand Forks, ND 58202
(701) 777-3167

South Dakota

▶Department of Agriculture (USDA)

4-H State Leader

The State 4-H Youth Development Programs are administered by the Cooperative Extension Service at land-grant universities. State 4-H leaders coordinate outreach services and training to all county offices.

John Burton, 4-H Interim Program Leader
South Dakota State University
4-H Club
Box 2207E, Ag Hall 104
Brookings, SD 57007
(605) 688-4167 / Fax: (605) 688-4939
E-mail: jb4h@sdsumus.sdstate.edu

Ag in the Classroom State Leader

This program promotes increased understanding of agriculture and possible careers in the agricultural sciences. With National leadership provided by USDA, each State manages its own programs, with assistance from agribusiness, educational institutions, and government.

Melanie Schumacher, President
South Dakota Ag in the Classroom
PO Box 577
Pierre, SD 57501
(605) 945-2306

▶Department of Defense (DoD)

South Dakota Air and Space Museum

The evolution of aviation and the progression of technology involved in aviation are the primary aspects of this museum. Tours are available upon request.

South Dakota Air and Space Museum
28 BW/CVM
Ellsworth Air Force Base, SD 57706-5000
(605) 385-5188

▶Department of Education (ED)

Eisenhower High Plains Consortium for Mathematics and Science

The Eisenhower Regional Consortium provides information and technical assistance to help States and school districts improve mathematics and science education.

John Sutton, Director
Eisenhower High Plains Consortium for Mathematics and Science
2550 South Parker Road, Suite 500
Aurora, CO 80014
(800) 949-6387
(303) 337-0990 / Fax: (303) 337-3005
E-mail: jsutton@mcrel.org
WWW: http://www.mcrel.org/hpc

Eisenhower State Coordinators

Eisenhower State Coordinators administer the Eisenhower Professional Development Program State Formula grants. The program focuses on sustained and intensive high-quality professional development through inservice programs.

Jim Hauck
Eisenhower Professional Development Program
South Dakota Division of Education
700 Governors Drive
Pierre, SD 57501-2291
(605) 773-4712 / Fax: (605) 773-6139

Eisenhower State Coordinators for Higher Education

Eisenhower State Coordinators oversee the Eisenhower Professional Development State Formula Grants for the State Agency for Higher Education (SAHE). The program focuses on teacher enhancement through both inservice and preservice programs.

Paul Gough
Board of Regents
207 East Capitol
Pierre, SD 57501
(605) 773-3455 / Fax: (605) 773-5320

Mid-continent Regional Educational Laboratory (McREL)

The Regional Educational Laboratory identifies effective teaching techniques and school improvement efforts within the region and shares this information with State and local educators.

Tim Waters, Executive Director
Mid-continent Regional Educational Laboratory
2550 South Parker Road, Suite 500
Aurora, CO 80014
(800) 949-6387
(303) 337-0990 / Fax: (303) 337-3005

North Central Regional Technology in Education Consortium (NCR*TEC)

ED established the Regional Technology in Education (R*TEC) program in the fall of 1995 to help States, districts, schools, adult literacy centers, and other educational institutions use advanced technology to support improved teaching and student achievement. R*TEC's role in educational technology is unique in two ways: the emphasis is regional and the primary goal is to ensure that technology is used effectively to support school reform. Program strategies include professional development, technical assistance, and information dissemination.

Randy Knuth, Director
NCR*TEC
North Central Regional Educational Laboratory
1900 North Spring Road, Suite 300
Oak Brook, IL 60521-1480
(630) 571-4710 / Fax: (630) 218-4989
E-mail: rknuth@ncrel.org
WWW: http://www.ncrtec.org/

Catherine Mozer Conner, R*TEC Program Officer
U.S. Department of Education
Office of Educational Research and Improvement
ORAD/SLSD, Room 506a
555 New Jersey Avenue NW
Washington, DC 20208-5644
(202) 219-8070
E-mail: cconnor@inet.ed.gov

▶Department of Energy (DOE)

Western Area Power Administration (WAPA)

WAPA conducts the Regional Science Bowl, an academic competition sponsored by DOE and the community. Held each February, it encourages the study of science and mathematics and the pursuit of related careers. The regional winner advances to the National Competition, held each spring in Washington, DC.

Greg Vaselaar
Western Area Power Administration––Huron
200 4th Street SW
Huron, SD 57350-2474
(605) 353-9209 / Fax: (605) 353-9254

▶Department of the Interior (DOI)

Badlands National Park

The park offers guided nature walks and a teacher's guide that emphasizes the geology, history, ecology, and zoology of the Badlands.

Division of Interpretation
Badlands National Park
PO Box 6
Interior, SD 57750
(605) 433-5361

Bureau of Land Management State Office

This office provides information about educational programs, materials, and local land-management issues.

Education Coordinator
Bureau of Land Management
PO Box 36800
222 North 32nd Street
Billings, MT 59107
(406) 255-2827

Earth Science Information Center, Sioux Falls

This center offers information and sales service for U.S. Geological Survey map products and Earth science publications.

Sioux Falls Earth Science Information Center
EROS Data Center
Sioux Falls, SD 57138-1177
(605) 594-6151

Gavins Point National Fish Hatchery and Aquarium

The hatchery/aquarium works with school districts, church groups, scout troops, senior citizens, and home school groups in South Dakota, Iowa, and Nebraska to provide an Outreach Program. Education opportunities are available in the areas of fishery biology, environmental education and awareness, watchable wildlife, aquatic science, and ecology. This program provides in-school and outdoor classroom learning opportunities.

Herb Bollig, Project Leader
Gavins Point National Fish Hatchery and Aquarium
RR 1, Box 293
Yankton, SD 57078
(605) 665-3352 / Fax: (605) 665-3360

Jewel Cave National Monument

Programs include guided nature walks and lectures that emphasize the geology of the monument.

Division of Interpretation
Jewel Cave National Monument
Box 60AA, RR1
Custer, SD 57730
(605) 673-2288

Project WILD

Project WILD offers teacher training and educational materials. Teacher guides, free to teachers who attend the training session, contain more than 80 supplementary, interdisciplinary activities for grades K–12.

Steve Kirsch, Project WILD Coordinator
South Dakota Department of Game, Fish, and Parks
523 East Capitol
Pierre, SD 57501
(605) 773-5511 / Fax: (605) 773-6245

Reservoir and River Management: Taming South Dakota's Rivers

Volunteers visit water festivals and schools to show a video about reservoirs in South Dakota and to discuss water resource development.

Curt Anderson, Civil Engineer
Newell Field Office, N-434
PO Box 226
Newell, SD 57760
(605) 456-2695 / Fax: (605) 456-2153

Waubay National Wildlife Refuge

Glacial Lakes Outdoor School provides an opportunity to study and appreciate the interrelationships between people and the natural world. Study sites include ponds, disturbed or restored prairie, woodlands, and glacial lakes at Waubay National Wildlife Refuge outdoor classroom study sites.

In the School Groups Programs, staff provide guided tours and talks, as requested, to various students visiting the refuge on field trips. Talks include refuge natural history, bird life, wildlife, and vegetation.

Doug Leschisin, Refuge Operations Specialist
Waubay NWR
RR 1 Box 39
Waubay, SD 57273
(605) 947-4521 / Fax: (605) 947-4524

Wind Cave National Park

The park offers Connections, an environmental education program for first through eighth graders. The onsite, day-long experience is designed to allow students and teachers to explore relationships between the mixed grass prairie, the ponderosa pine forest, the cave, and the plants and animals that live in these habitats. The concept-based curriculum encourages critical thinking and cooperative learning.

Ron Terry, Chief Interpreter
Wind Cave National Park
RR1, Box 190 WCNP
Hot Springs, SD 57747
(605) 745-4600 / Fax: (605) 745-4207

▶Department of Labor (DOL)

Job Training Partnership Act (JTPA) Liaison

The JTPA Liaison can provide information about the Job Training Partnership Act State and local programs for economically disadvantaged adults and youth.

Grant Gromley, Secretary
South Dakota Department of Labor
Kneip Building, 700 Governors Drive
Pierre, SD 57501-2277
(605) 773-3101 / Fax: (605) 773-4211

▶Department of Transportation (DOT)

Federal Aviation Administration (FAA) Aviation Education

The FAA Aviation Education Representative coordinates aviation education services, including materials and programs for the FAA in the States assigned to the region.

Programs include the following:

- **The Aviation Career Education (ACE) Academy** is a one-week summer aviation education program for high school students sponsored by the FAA along with a host educational institution. The program provides students with diverse experiences in aviation career exploration. The focus is on aviation career clusters identified by FAA, with an emphasis on opportunities for women and minorities. A goal is to have one program in each State and U.S. Territory. The FAA will conduct regional leadership workshops and provide funds based on the availability of resources.
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Lee Carlson, AGL-11, FAA Aviation
Education Representative
O'Hare Lake Officer Center
2300 East Devon Avenue
Des Plaines, IL 60018
(708) 294-7042 or 7691
Fax: (708) 294-7368

FAA Aviation Education Resource Centers

Located at colleges, museums, and State aviation authority offices, these centers function as information distribution centers for Federal Aviation Administration education materials and resources. The resource centers maintain and provide quantities of printed materials, videotapes, and computer educational software. Center personnel can also provide general information, conduct workshops, and make aviation-related presentations.

Chip Harris, Director
Aviation Education Resource Center
Sisseton Wahpeton Community College
Office of Planning and Development
Old Agency Box 689
Sisseton, SD 57262-0689
(605) 698-3966

▶ Environmental Protection Agency (EPA)

EPA Regional Office

This office takes part in a variety of environmental education programs for both teachers and students. Programs range from teacher workshops and student contests to in-school presentations. Information on environmental issues is also available through the Public Information Center located at the office.

Cece Forget, Environmental Education
Coordinator
Environmental Protection Agency
One Denver Place (OCPI)
999 18th Street, Suite 500
Denver, CO 80202-2405
(303) 312-6605 / Fax: (303) 312-6961

The President's Environmental Youth Awards (PEYA) Program

Young people from each State are invited to participate in PEYA, a Nationwide program designed to encourage individuals, school classes, summer camps, public interest groups, and youth organizations to promote environmental awareness and community involvement. The two components of the program are the regional certificate program and the National awards competition. Regional certificates, signed by the President, are awarded to each participant by EPA Regional Offices. National individual project winners, or one representative from a National award-winning group project, along with one sponsor, are honored at EPA headquarters in Washington, DC. Interested K–12 individuals or groups may obtain application materials and contest rules by contacting the EPA Regional Office that serves their State. PEYA has been an ongoing project since it was created by the White House Office of Education and the EPA in 1971.

EPA Region 8
999 18th Street
Denver, CO 80202-2466
(303) 312-6605 / Fax: (303) 312-6961

▶ National Aeronautics and Space Administration (NASA)

NASA Educator Resource Center

The Center has NASA-related educational materials in various formats, including laserdiscs, CD-ROMs, videotapes, slides, audiotapes, publications, and teacher guides. Educators may preview or copy NASA materials upon request.

NASA Johnson Space Center
Educator Resource Center
Mail Code AP-2
2101 NASA Road One
Houston, TX 77058-3696
(713) 483-8696

NASA Field Centers

Each field center has an educational programs officer who is responsible for precollege education programs. In addition to administering National programs, the center offers programs and services to meet regional and local needs.

Dr. Robert W. Fitzmaurice, Center Education
Programs Officer
Public Affairs Office AP2
NASA Johnson Space Center
2101 NASA Road One
Houston, TX 77058-3696
(713) 483-1257

NASA Regional Educator Resource Center (RERC)

To offer more educators the opportunity to visit the Educator Resource Center Network (ERCN), NASA forms partnerships with planetariums, universities, museums, and other nonprofit organizations to serve as RERCs. Teachers may preview or copy NASA materials upon request.

NASA Regional Educator Resource Center
T.I.E. Office
1925 Plaza Boulevard
Rapid City, SD 57702
(605) 394-1876

Space Grant Consortium

The Space Grant Consortium in each State consists of colleges, universities, industry, and other organizations that have an interest in aeronautics and space education. Each consortium receives NASA funds for use in implementing a balanced program of research, education, and public service.

South Dakota Space Grant Consortium
Institute of Atmospheric Sciences
South Dakota School of Mines and
Technology
501 East St. Joseph Street
Rapid City, SD 57701-3995
(605) 394-1975

Wyoming

▶Department of Agriculture (USDA)

4-H State Leader

The State 4-H Youth Development Programs are administered by the Cooperative Extension Service at land-grant universities. State 4-H leaders coordinate outreach services and training to all county offices.

Betty Holmes, Assistant Director
College of Agriculture
University of Wyoming
PO Box 3354
Laramie, WY 82071
(307) 766-5663 / Fax: (307) 766-3379
E-mail: state.4h.office@agmail.uwyo.edu

Ag in the Classroom State Leader

This program promotes increased understanding of agriculture and possible careers in the agricultural sciences. With National leadership provided by USDA, each State manages its own programs, with assistance from agribusiness, educational institutions, and government.

Elaine Moore
Wyoming Ag in the Classroom
Wyoming Department of Agriculture
2407 Highland Court
Douglas, WY 82633
(307) 358-6232

Lori Grass, President
Wyoming Ag in the Classroom
2219 Carey Avenue
Cheyenne, WY 82002
(307) 322-5727

▶Department of Education (ED)

Eisenhower High Plains Consortium for Mathematics and Science

The Eisenhower Regional Consortium provides information and technical assistance to help States and school districts improve mathematics and science education.

John Sutton, Director
Eisenhower High Plains Consortium for
  Mathematics and Science
2550 South Parker Road, Suite 500
Aurora, CO 80014
(800) 949-6387
(303) 337-0990 / Fax: (303) 337-3005
E-mail: jsutton@mcrel.org
WWW: http://www.mcrel.org/hpc

Eisenhower State Coordinators

Eisenhower State Coordinators administer the Eisenhower Professional Development Program State Formula grants. The program focuses on sustained and intensive high-quality professional development through inservice programs.

Judy Kishman
Eisenhower Professional Development
  Program
Wyoming Department of Education
241 Hathaway Building
Cheyenne, WY 82002-0050
(307) 777-6247 / Fax: (307) 777-6234

Eisenhower State Coordinators for Higher Education

Eisenhower State Coordinators oversee the Eisenhower Professional Development State Formula Grants for the State Agency for Higher Education (SAHE). The program focuses on teacher enhancement through both inservice and preservice programs.

Judy Kishman
Eisenhower Professional Development
  Program
Wyoming Department of Education
241 Hathaway Building
Cheyenne, WY 82002-0050
(307) 777-6247 / Fax: (307) 777-6234

Mid-continent Regional Educational Laboratory (McREL)

The Regional Educational Laboratory identifies effective teaching techniques and school improvement efforts within the region and shares this information with State and local educators.

Tim Waters, Executive Director
Mid-continent Regional Educational
  Laboratory
2550 South Parker Road, Suite 500
Aurora, CO 80014
(800) 949-6387
(303) 337-0990 / Fax: (303) 337-3005

Northwest Educational Technology Consortium (NETC)

ED established the Regional Technology in Education (R*TEC) program in the fall of 1995 to help States, districts, schools, adult literacy centers, and other educational institutions use advanced technology to support improved teaching and student achievement. R*TEC's role in educational technology is unique in two ways: the emphasis is regional and the primary goal is to ensure that technology is used effectively to support school reform. Program strategies include professional development, technical assistance, and information dissemination.

Seymour Hantling, Director, NETC
Northwest Regional Educational Laboratory
101 SW Main Street, Suite 500
Portland, OR 97204-3297
(503) 275-9500 / Fax: (503) 275-9584
E-mail: hantlins@nwrel.org
WWW: http://www.netc.org/

Gerald Malitz, R*TEC Project Officer
U.S. Department of Education
Office of Educational Research and
  Improvement
NCES, Room 410c
555 New Jersey Avenue NW
Washington, DC 20208-5651
(202) 219-1364
E-mail: gmalitz@inet.ed.gov

▶Department of the Interior (DOI)

Bighorn Canyon National Recreation Area

Programs at this recreation area, including guided walks and teacher guides, focus primarily on the ecology of Bighorn Canyon.

Division of Interpretation
Bighorn Canyon National Recreation Area
PO Box 458
Fort Smith, MT 59035
(406) 666-2412

Bureau of Land Management State Office

This office provides information about educational programs, materials, and local land-management issues.

Education Coordinator
Bureau of Land Management
PO Box 1828, 2515 Warren Avenue
Cheyenne, WY 82003
(307) 775-6001

Devils Tower National Monument

This monument offers guided walks and teacher guides that focus primarily on environmental education and the geology of Devils Tower.

Division of Interpretation
Devils Tower National Monument
Devils Tower, WY 82714
(307) 467-5283

National Elk Refuge

With the use of pre-visit study materials, students of all ages will be introduced to elk and other wildlife of the refuge. This, in combination with a horse-drawn sleigh ride into the refuge, slide show, video, hands-on exhibits, and a talk with an interpreter, gives the students a memorable outdoor classroom experience. The refuge is affiliated with the National Wildlife Art Museum, which has 12 galleries of spectacular wildlife art and associated environmental education.

James Griffin, Assistant Refuge Manager
Education and Visitor Services
National Elk Refuge
PO Box C
675 East Broadway
Jackson, WY 83001
(307) 733-9212 / Fax: (307) 733-9729

Fossil Butte National Monument

Teaching Paleontology in the National Parks, Monuments, and Public Lands is a curriculum guide designed to be used by second and third grade teachers when presenting principles of fossils as clues to past life. The guide is accompanied by a traveling kit that includes casts of fossils, slide programs that introduce fossils, environments, adaptations, and an interactive computer program on population dynamics. The curriculum includes four units. For second graders there is a unit on fossilization and human influences; for third graders, there are units on adaptation, community, and human influences. Fifteen kits are available for loan.

Monument staff also offer a Junior Ranger Program. To become a Junior Ranger, children need only have a desire to learn and a sense of wonder. By talking with a ranger, hiking a trail, touring the exhibits, and helping to prepare a fossil, children will earn a Junior Ranger badge and their name will be entered in our permanent register. Parents are encouraged to follow along.

Marcia D. Fagnant, Park Ranger
Fossil Butte National Monument
PO Box 592
Kemmerer, WY 83101
(307) 877-4455 / Fax: (307) 877-4456

Grand Teton National Park

Teton Science School is a year-round residential program for students of all ages. It addresses natural and physical science experimental education. Information, curricula, scheduling, and prices are all available from the school.

William W. Swift, Chief of Interpretation
Grand Teton National Park
PO Drawer 170
Moose, WY 83012
(307) 739-3390 / Fax: (307) 739-3438

Project WILD

Project WILD offers teacher training and educational materials. Teacher guides, free to teachers who attend the training session, contain more than 80 supplementary, interdisciplinary activities for grades K–12.

Joe Vogier, Project WILD Coordinator
Wyoming Game and Fish Department
5400 Bishop Boulevard
Cheyenne, WY 82002
(307) 777-4538 / Fax: (307) 777-4610

Wyoming Conservation Connection

Natural Science Workshops for Teachers, a professional development program, is a component of the University of Wyoming's Conservation Connection. This cooperative effort between University personnel and land management and wildlife resource agency personnel provides distinctive learning experiences at regionally located sites around Wyoming. The teachers' exposure to Wyoming's spectacular natural resources—such as mountains, forests, unique geology, pristine streams, and native wildlife and vegetation—promotes the hands-on experience necessary for a good environmental and natural resource education.

Dr. Duane Keown
Wyoming Conservation Connection
Box 3992
Laramie, WY 82071
(307) 766-6381

Wyoming Bureau of Land Management

Archaeology Week consists of various Statewide activities, including a speaker's bureau, archaeology fairs, reenactments, contests, tours, and school-sponsored field trips and other activities. All activities promote archaeology.

Ranel Stephenson Capron, Archaeologist
Bureau of Land Management
5353 Yellowstone Road
Cheyenne, Wyoming 82009
(307) 775-6108 / Fax: (307) 775-6082

Wyoming Resource Education Days (WyRED)

Sponsored by the Wyoming Section of the Society for Range Management and various Conservation Districts around Wyoming, this program provides practical experience in rangeland management, plant identification, and range judging contests. Subjects covered at WyRED include geology, soils, plant growth, the parts and identifying characteristics of plants, range sites, range utilization, wildlife, water and riparian areas, applied and management practices for range management, reclamation, and many other topics. A range judging contest is held on the last day.

Don Glenn, Range Conservationist
5353 Yellowstone Road
Cheyenne, WY 82009
(307) 775-6097 / Fax: (307) 775-6082

Yellowstone National Park

Expedition: Yellowstone! is a 234-page curriculum for grades four through six. Its goal is to acquaint students, teachers, and parents with the Great Yellowstone Ecosystem. A residential program with a National Park Ranger faculty is offered to school groups in the spring and fall. Whether the curriculum is used in the park or in the classroom, students experience hands-on activities in the out-of-doors and develop an ethic that promotes life-long stewardship of the park, as well as of regional and global resources. The program offers teachers of grades four through six free use of park facilities, free accommodations, and services of a park ranger during the spring and fall for environmental education field trips. Teachers are required to register for the program and purchase curriculum materials. Due to the high number of requests, a lottery process determines which teachers can participate

Ellen Petrick-Underwood, Environmental
Education Specialist
National Park Service
PO Box 168
Yellowstone National Park, WY 82190
(307) 344-2253 or 344-7381
Fax: (307) 344-2323

▶Department of Labor (DOL)

Job Training Partnership Act (JTPA) Liaison

The JTPA Liaison can provide information about the Job Training Partnership Act State and local programs for economically disadvantaged adults and youth.

Matthew K. Johnson, Deputy Job Training
Administrator
Division of Employment Services
Job Training Programs
PO Box 2760
Casper, WY 82602
(307) 235-3611 / Fax: (307) 235-3293

▶ Department of Transportation (DOT)

Federal Aviation Administration (FAA) Aviation Education

The FAA Aviation Education Representative coordinates aviation education services, including materials and programs for the FAA in the States assigned to the region.

Programs include the following:

- **The Aviation Career Education (ACE) Academy** is a one-week summer aviation education program for high school students sponsored by the FAA along with a host educational institution. The program provides students with diverse experiences in aviation career exploration. The focus is on aviation career clusters identified by FAA, with an emphasis on opportunities for women and minorities. A goal is to have one program in each State and U.S. Territory. The FAA will conduct regional leadership workshops and provide funds based on the availability of resources.
- **Aviation Education Workshops for Teachers** provide teachers with information on FAA aviation programs and materials and prepare them to teach aviation in the classroom. Annual workshops are conducted at colleges and universities across the Nation. The FAA provides information, materials, and speakers for the program.
- **National Congress on Aviation and Space Education** is sponsored annually by the FAA in partnership with the National Aeronautics and Space Administration and the Civil Air Patrol. The meeting includes teacher workshops and crosstalk sessions to exchange ideas on promoting aerospace education.

Herman Payton, ANM-14A, FAA Aviation Education Representative
1601 Lind Avenue SW
Renton, WA 98055-4056
(206) 227-2079 / Fax: (206) 227-1010

▶ Environmental Protection Agency (EPA)

EPA Regional Office

This office takes part in a variety of environmental education programs for both teachers and students. Programs range from teacher workshops and student contests to in-school presentations. Information on environmental issues is also available through the Public Information Center located at the office.

Cece Forget, Environmental Education Coordinator
Environmental Protection Agency
One Denver Place (OCPI)
999 18th Street, Suite 500
Denver, CO 80202-2405
(303) 312-6605 / Fax: (303) 312-6961

The President's Environmental Youth Awards (PEYA) Program

Young people from each State are invited to participate in PEYA, a nationwide program designed to encourage individuals, school classes, summer camps, public interest groups, and youth organizations to promote environmental awareness and community involvement. The two components of the program are the regional certificate program and the National awards competition. Regional certificates, signed by the President, are awarded to each participant by EPA Regional Offices. National individual project winners, or one representative from a National award-winning group project, along with one sponsor, are honored at EPA headquarters in Washington, DC. Interested K–12 individuals or groups may obtain application materials and contest rules by contacting the EPA Regional Office that serves their State. PEYA has been an ongoing project since it was created by the White House Office of Education and the EPA in 1971.

EPA Region 8
999 18th Street
Denver, CO 80202-2466
(303) 312-6605 / Fax: (303) 312-6961

▶ National Aeronautics and Space Administration (NASA)

NASA Educator Resource Center

The Center has NASA-related educational materials in various formats, including laserdiscs, CD-ROMs, videotapes, slides, audiotapes, publications, and teacher guides. Teachers may preview or copy NASA materials upon request.

NASA Ames Research Center
Teacher Resource Laboratory
Educator Resource Center
Mail Stop T12-A
Moffett Field, CA 94035-1000
(415) 604-3574

NASA Field Centers

Each field center has an educational programs officer who is responsible for precollege education programs. In addition to administering National programs, the center offers programs and services to meet regional and local needs.

Garth A. Hull, Chief, Educational Programs Branch
NASA Ames Research Center
Mail Stop 204-12
Moffett Field, CA 94035
(415) 604-5543

NASA Regional Educator Resource Center (RERC)

To offer more educators the opportunity to visit the Educator Resource Center Network (ERCN), NASA forms partnerships with planetariums, universities, museums, and other nonprofit organizations to serve as RERCs. Teachers may preview or copy NASA materials upon request.

University of Wyoming
NASA Regional Educator Resource Center
Learning Resource Center
PO Box 3374 University Station
Laramie, WY 82071-3374
(307) 766-2527

Space Grant Consortium

The Space Grant Consortium in each State consists of colleges, universities, industry, and other organizations that have an interest in aeronautics and space education. Each consortium receives NASA funds for use in implementing a balanced program of research, education, and public service.

Wyoming Space Grant Consortium
University of Wyoming
Department of Physics and Astronomy
PO Box 3905, University Station
Laramie, WY 82071-3905
(307) 766-6267

- Illinois
- Indiana
- Iowa
- Michigan
- Minnesota
- Ohio
- Wisconsin

North Central Region

Midwest Consortium for Mathematics and Science Education

Midwest Consortium for Mathematics and Science Education

The Midwest Consortium for Mathematics and Science Education (MSC) provides direct technical assistance to State education agencies, intermediate State educational units, and local school districts to advance systemic reform of mathematics and science in the States of Illinois, Iowa, Indiana, Ohio, Michigan, Minnesota, and Wisconsin. Based on a student-centered learning philosophy and informed by best practice and research, technical assistance efforts are focused on helping to provide meaningful, purposeful, and engaging mathematics and science learning experiences for all students. Whenever and wherever possible, the appropriate use of technology to support and accelerate systemic reform is advocated.

Beliefs

Systemic reform of mathematics and science education is a complex challenge that must be grounded in a well-defined set of beliefs. Because the system as a whole is the challenge, the beliefs must relate not only to the nature of learners and learning, but to organization and change theory as well. Finally, the beliefs must speak to the nature of interventions that are most likely to facilitate continuous improvement of mathematics and science learning for all students.

Beliefs About Students and Learning

- All students can benefit from meaningful and active engagement in learning.
- The knowledge, skills, and understanding necessary to become lifelong learners is best acquired when students are allowed to build on prior experiences and learning.
- Because each learner presents a unique set of experience and attributes, a variety of methods and approaches will result in meaningful learning.
- The only constant across all learners is that when they are allowed to practice learning that is hands-on, minds-on, and authentic, they are more likely to become highly motivated and self-directed.
- The acquisition of knowledge, skills, and understanding is best demonstrated through a variety of assessment practices, providing multiple opportunities to gauge the level of learning relative to well-defined expectations.

Beliefs About the Nature of the Education Enterprise

- The most significant element of the Education Enterprise is the instruction that takes place within the classroom.
- Dedicated teachers constantly seek to improve their practices and willingly adapt to change and adopt new approaches they believe to be consistent with the goal of enhanced learning for their students.
- Effective educational leaders empower teachers to be creative and inventive in their choice of teaching practice and provide support that facilitates improved learning.
- Standards and curriculum frameworks exist to shape and guide practice and are used most effectively when education professionals are involved in their development and are given the opportunity to understand and apply them to learning for students.
- Assessment systems must exist for the primary purpose of informing instructional choice and therefore must be embedded in the learning process. Assessment must be varied in methodology, and focused on application and performance that demonstrates the acquisition of expected skills, knowledge, and understanding.
- Technology provides a powerful tool that can both enhance and facilitate student learning; therefore, it should be available to and used by all teachers and students.

Beliefs About System Interventions

- Systemic reform of education must address all elements of the instructional system.
- Systemic reform of education should have continuous improvement of student learning as a fundamental goal.
- Systemic reform efforts must empower and engage all stakeholders in the process of seeking continuous improvement of the system.
- Interventions that result in systemic reform must provide for long-term, follow-up support of efforts that result in improvement of instruction and learning for all students.

Mission

The mission of the MSC is to advance systemic change in mathematics and science education through: (1) collaboration with institutions and agencies within the region; (2) direct services and technical assistance to school districts, schools, teachers, and administrators to support high priority initiatives; (3) support that will result in the development and implementation of standards, curriculum, assessment, and performance indicators that challenge students to higher levels of attainment; (4) identification and dissemination of resources, methods, materials, and practices that expand learning beyond the classroom through information education agencies and electronic media; and (5) access to networks of instructional resources and materials that will result in improved learning for all students.

Objectives

MSC will continue to collaborate with partners throughout the region, including State departments of education, intermediate units, and other programs that are interested in systemic improvement of mathematics, science, and technology. MSC plans to advance the systemic reform of mathematics and science education through the accomplishment of the following six objectives:

- MSC will facilitate and engage in collaborative efforts with teachers, administrators, and professional organizations to achieve the outcome of systemic reform of mathematics and science education throughout the region.
- MSC will establish and implement a process to identify high impact, high priority projects, products, and services that respond to the needs of our collaborative

partners. MSC will develop relationships with two or three "intensive" sites in each State to collaboratively research and develop materials and processes that support improved student learning strategies and achievement.

- MSC will provide teachers, administrators, and other educators with training and technical assistance that will enable them to continuously improve teaching and learning in mathematics and science. Special emphasis will be placed on the use of technology.
- MSC will work through the National Organization Task Force on Informal Education, energy labs, museums, and other informal education entities to promote the use of informal education resources.
- MSC will work through its collaborative regional networks, other Consortia, and the Eisenhower National Clearinghouse for Mathematics and Science Education to identify and describe exemplary resources and best instructional practices.
- MSC will initiate evaluation and data collection related to intended outcomes to determine the effectiveness of Consortium activities in districts selected for intensive partnerships.

Dr. Gilbert Valdez,
Director

Dr. Marvin Christensen,
Science and Professional Development Specialist

Cathy Cook,
Mathematics/Science Professional Development Specialist

Teresa McMahon,
Evaluation and Assessment Specialist

Cyntha Pattison,
Mathematics and Technology Specialist

Mary McNabb,
Program Specialist

Nancy Berkas,
Program Associate

Barbara Youngren,
Program Associate

Aggie Van Huis,
Administrative Assistant

Amy Jovanovich,
Program Secretary

Midwest Consortium for Mathematics and Science Education
1900 Spring Road, Suite 300
Oak Brook, IL 60521-1480
(630) 571-4700 / Fax: (630) 571-4716
WWW: http://www.ncrel.org/msc/msc.htm

Illinois

▶Department of Agriculture (USDA)

4-H State Leader

The State 4-H Youth Development Programs are administered by the Cooperative Extension Service at land-grant universities. State 4-H leaders coordinate outreach services and training to all county offices.

Dr. Mary Kay Munson, State 4-H Leader
University of Illinois
302 East John, Suite 1901
Champaign, IL 61820
(217) 333-0910 / Fax: (217) 333-9287
E-mail: munsonm@ces4h.ag.uiuc.edu

Ag in the Classroom State Leader

This program promotes increased understanding of agriculture and possible careers in the agricultural sciences. With National leadership provided by USDA, each State manages its own programs, with assistance from agribusiness, educational institutions, and government.

Stacy Shane
Illinois Farm Bureau
Field Services Division
1701 Towanda Avenue
Bloomington, IL 61702-2901
(309) 557-3334 / Fax: (309) 557-2170

▶Department of Commerce (DOC)

National Sea Grant College Program, Operation Pathfinder

The program consists of two-week summer courses that present an introduction to oceanographic and coastal processes. Courses are available in six regions and are designed to enhance skills in science teaching.

Al Miller and Jim Lubner
University of Wisconsin
Wisconsin Sea Grant
1800 University Avenue
Madison, WI 53705-4094
(608) 262-0644 / Fax: (608) 263-2063

▶Department of Defense (DoD)

Army Construction Engineering Research Laboratories

The laboratories offer high school students apprenticeship programs designed to increase scientific knowledge through hands-on experiences.

Equal Employment Opportunity Office
U.S. Army Construction Engineering
Research Laboratories (USACERL)
PO Box 9005
Champaign, IL 61826-9005
(217) 373-7279 / (800) 872-2375

Naval Training Center, Great Lakes

The training center participates in the Navy Community Service Program through formation of partnerships with schools and other youth organizations in Illinois, Indiana, Michigan, Minnesota, Ohio, and Wisconsin.

NTC Great Lakes IL
Commander, Naval Training Center
Code PAO
Great Lakes, IL 60088-5000
(708) 688-6706

Rock Island Arsenal Museum

Exhibits illustrate the development of technology in weaponry production. Many historic and modern small arms are on display.

Rock Island Arsenal Museum
Attention: SIORI-CFM
Rock Island, IL 61299-5000
(309) 782-5021

Science and Engineering Apprentice Program

This program, supported by DoD and administered by The George Washington University, is designed to provide research experience for high school students attending school near the participating research facility. Each student works with a senior scientist or engineer who acts as a mentor for eight weeks during the summer.

Linda Steele
Army Chemical and Biological Defense Agency (CBDCOM)
SCBRD-ED (RI)
Rock Island Arsenal, IL 61299-7410
(309) 782-8061 or 4338

▶Department of Education (ED)

Eisenhower State Coordinators

Eisenhower State Coordinators administer the Eisenhower Professional Development Program State Formula grants. The program focuses on sustained and intensive high-quality professional development through inservice programs.

Tom Alexander, Division Administrator
Grants Management and Evaluation Division
Eisenhower Professional Development Program
Illinois State Board of Education
100 North First Street
Springfield, IL 62777-0001
(217) 782-3810 / Fax: (217) 524-6125

Eisenhower State Coordinators for Higher Education

Eisenhower State Coordinators oversee the Eisenhower Professional Development State Formula Grants for the State Agency for Higher Education (SAHE). The program focuses on teacher enhancement through both inservice and preservice programs.

Dr. James C. Forstall, Associate Director for Academic Affairs
Eisenhower Professional Development Program
Illinois State Board of Higher Education
500 Reisch Building
Four West Old Capitol Square
Springfield, IL 62701
(217) 782-7184 / Fax: (217) 782-8548

Midwest Consortium for Mathematics and Science Education

The Eisenhower Regional Consortium provides information and technical assistance to help States and school districts improve mathematics and science education.

Dr. Gilbert Valdez, Director
Midwest Consortium for Mathematics and Science Education
1900 Spring Road, Suite 300
Oak Brook, IL 60521
(708) 571-4700 / Fax: (708) 571-4716
WWW: http://www.ncrel.org/msc/msc.htm

North Central Regional Educational Laboratory (NCREL)

NCREL identifies effective teaching techniques and school improvement efforts within the region and shares this information with State and local educators.

Jeri Nowakowski, Executive Director
NCREL
1900 Spring Road, Suite 300
Oak Brook, IL 60521
(708) 571-4700 / Fax: (708) 571-4716
WWW: http://www.ncrel.org/

North Central Regional Technology in Education Consortium (NCRTEC)

ED established the Regional Technology in Education (R*TEC) program in the fall of 1995 to help States, districts, schools, adult literacy centers, and other educational institutions use advanced technology to support improved teaching and student achievement. R*TEC's role in educational technology is unique in two ways: the emphasis is regional and the primary goal is to ensure that technology is used effectively to support school reform. Program strategies include professional development, technical assistance, and information dissemination.

Randy Knuth, Director
NCRTEC
North Central Regional Educational Laboratory
1900 North Spring Road, Suite 300
Oak Brook, IL 60521-1480
(630) 571-4710 / Fax: (630) 218-4989
E-mail: rknuth@ncrel.org
WWW: http://www.ncrtec.org/

Catherine Mozer Conner, R*TEC Program Officer
U.S. Department of Education
Office of Educational Research and Improvement
ORAD/SLSD, Room 506a
555 New Jersey Avenue NW
Washington, DC 20208-5644
(202) 219-8070
E-mail: cconnor@inet.ed.gov

▶Department of Energy (DOE)

Argonne National Laboratory

The laboratory offers students research apprenticeship programs and sponsors contests, lectures, laboratory tours, and video series, as well as educational conferences and workshops. Student apprenticeships and research participation opportunities are offered for students in grades 10–12. Junior high and high school teachers are eligible for teacher development and research participation appointments usually held during the summer months.

Margret E. M. Tolbert, Ph.D., Director
Division of Educational Programs
Argonne National Laboratory
9700 South Cass Avenue, Building 223
Argonne, IL 60439
(630) 252-4114 / Fax: (630) 252-3193
E-mail: tolbert@woody.dep.anl.gov

Fermi National Accelerator Laboratory

Through its Leon M. Lederman Science Education Center, the laboratory offers institutes, workshops, and research experiences for teachers; a Teacher Resource Center including an Eisenhower National Clearinghouse Demonstration site; onsite environmental and physical science experiences; apprenticeships; and informal classes for students.

Marge Bardeen
Education Office
Fermi National Accelerator Laboratory
MS 226
PO Box 500
Batavia, IL 60510
(630) 840-2031 / Fax: (630) 840-8248
E-mail: mbardeen@fnal.gov

▶Department of the Interior (DOI)

Bureau of Land Management Eastern States Office

The Bureau of Land Management State Office provides information about educational programs, materials, and local land management issues.

Education Coordinator
Bureau of Land Management
7450 Boston Boulevard
Springfield, VA 22153
(703) 440-1713

Crab Orchard National Wildlife Refuge

Wildlife management and environmental education are emphasized in summer teacher workshops and youth camps at the refuge. Guided tours and curriculum materials are available upon request.

Public Use Manager
Crab Orchard National Wildlife Refuge
PO Box J
Carterville, IL 62918
(618) 997-3344

Project WILD

Project WILD offers teacher training and educational materials. Teacher guides, free to teachers who attend the training session, contain more than 80 supplementary, interdisciplinary activities for grades K–12.

Ann Pictor, Project WILD Coordinator
Illinois Board of Education
100 North First Street
Springfield, IL 62777
(217) 782-2826 / Fax: (217) 782-6097

Kathleen M. Andrews, Project WILD Coordinator
Kids for Conservation
Illinois Department of Conservation
524 South Second Street, Room 515
Springfield, IL 62701-1787
(217) 524-4126 / Fax: (217) 782-9552

▶Department of Labor (DOL)

Job Training Partnership Act (JTPA) Liaison

The JTPA Liaison can provide information about the Job Training Partnership Act State and local programs for economically disadvantaged adults and youth.

Herbert D. Dennis, Manager
JTPA Programs Division
Illinois Department of Commerce and Community Affairs
620 East Adams, Sixth Floor
Springfield, IL 62701
(217) 785-6006 / Fax: (217) 785-6454

▶Department of Transportation (DOT)

Federal Aviation Administration (FAA) Aviation Education

The FAA Aviation Education Representative coordinates aviation education services, including materials and programs for the FAA in the States assigned to the region.

Programs include the following:

- **The Aviation Career Education (ACE) Academy** is a one-week summer aviation education program for high school students sponsored by the FAA along with a host educational institution. The program provides students with diverse experiences in aviation career exploration. The focus is on aviation career clusters identified by FAA, with an emphasis on opportunities for women and minorities. A goal is to have one program in each State and U.S. Territory. The FAA will conduct regional leadership workshops and provide funds based on the availability of resources.
- **Aviation Education Workshops for Teachers** provide teachers with information on FAA aviation programs and materials and prepare them to teach aviation in the classroom. Annual workshops are conducted at colleges and universities across the Nation. The FAA provides information, materials, and speakers for the program.
- **National Congress on Aviation and Space Education** is sponsored annually by the FAA in partnership with the National Aeronautics and Space Administration and the Civil Air Patrol. The meeting includes teacher workshops and crosstalk sessions to exchange ideas on promoting aerospace education.

Lee Carlson, AGL-11, FAA Aviation Education Representative
O'Hare Lake Officer Center
2300 East Devon Avenue
Des Plaines, IL 60018
(708) 294-7042 / Fax: (708) 294-7368

FAA Aviation Education Resource Centers

Located at colleges, museums, and State aviation authority offices, these centers function as information distribution centers for Federal Aviation Administration education materials and resources. The Resource Centers maintain and provide quantities of printed materials, videotapes, and computer educational software. Center personnel can also provide general information, conduct workshops, and make aviation-related presentations.

Paul McLaughlin, Associate Vice President and Dean
Aviation Education Resource Center
Parks College of St. Louis University
500 Falling Springs Road
Cahokia, IL 62206
(618) 337-7500, ext. 364

Richard M. Ware
Division of Aeronautics
Aviation Education Resource Center
State of Illinois
One Langhorne Bond Drive, Capital Airport
Springfield, IL 62707-8415
(217) 785-8516

Dr. Elaine Vitello
Aviation Education Resource Center
Southern Illinois University
College of Technical Careers, Room 222
Carbondale, IL 62901
(618) 453-8821

Christine Wedam Rosario
Northeastern Illinois University
College of Education
Chicago Teachers' Center
770 North Halsted Street, Suite 420
Chicago, IL 60622-5972
(312) 733-7330

▶Environmental Protection Agency (EPA)

EPA Regional Office

This office takes part in a variety of environmental education programs for both teachers and students. Programs range from teacher workshops and student contests to in-school presentations. Information on environmental issues is also available through the Public Information Center located at the office.

Suzanne Saric, Environmental Education Coordinator
Environmental Protection Agency
77 West Jackson Boulevard (PI-19J)
Chicago, IL 60604
(312) 353-3209 / Fax: (312) 353-1155

The President's Environmental Youth Awards (PEYA) Program

Young people from each State are invited to participate in PEYA, a nationwide program designed to encourage individuals, school classes, summer camps, public interest groups, and youth organizations to promote environmental awareness and community involvement. The two components of the program are the regional certificate program and the National awards competition. Regional certificates, signed by the President, are awarded to each participant by EPA regional offices. National individual project winners, or one representative from a National award-winning group project, along with one sponsor, are honored at EPA headquarters in Washington, DC. Interested K–12 individuals or groups may obtain application materials and contest rules by contacting the EPA Regional Office that serves their State. PEYA has been an ongoing project since it was created by the White House Office of Education and the EPA in 1971.

EPA Region 5
77 West Jackson Boulevard (PI-19J)
Chicago, IL 60604
(800) 621-8431 / Fax: (312) 353-1155

▶National Aeronautics and Space Administration (NASA)

NASA Educator Resource Center

The center has NASA-related educational materials in various formats, including laserdiscs, CD-ROMs, videotapes, slides, audiotapes, publications, and teacher guides. Educators may preview or copy NASA materials upon request.

NASA Lewis Research Center
Educator Resource Center
21000 Brookpark Road, MS 8-1
Cleveland, OH 44135-3191
(216) 433-2017

NASA Field Centers

Each field center has an educational programs officer who is responsible for precollege education programs. In addition to administering National programs, the center offers programs and services to meet regional and local needs.

Jo Ann Charleston, Acting Chief
Office of Educational Programs
NASA Lewis Research Center
21000 Brookpark Road, MS 7-4
Cleveland, OH 44135-3191
(216) 433-2957

NASA Regional Educator Resource Center (RERC)

To offer more educators the opportunity to visit the Educator Resource Center Network (ERCN), NASA forms partnerships with planetariums, universities, museums, and other nonprofit organizations to serve as RERCs. Teachers may preview or copy NASA materials upon request.

Chicago Museum of Science and Industry
NASA Regional Educator Resource Center
57th Street and Lakeshore Drive
Chicago, IL 60637-2093
(312) 684-1414, ext. 2426

Parks College of St. Louis University
NASA Regional Educator Resource Center
Route 157 and Falling Springs Road
Cahokia, IL 62206
(618) 337-7500

Space Grant Consortium

The Space Grant Consortium in each State consists of colleges, universities, industry, and other organizations that have an interest in aeronautics and space education. Each consortium receives NASA funds for use in implementing a balanced program of research, education, and public service.

Illinois Space Grant Consortium
Aeronautical and Astronautical Engineering Department
104 South Wright Street
3067 Talbot Lab
University of Illinois at Urbana-Champaign
Urbana, IL 61801
(217) 244-7646

Indiana

▶Department of Agriculture (USDA)

4-H State Leader

The State 4-H Youth Development Programs are administered by the Cooperative Extension Service at land-grant universities. State 4-H leaders coordinate outreach services and training to all county offices.

Dr. Maurice S. Kramer, Assistant Director
Department Head, 4-H and Youth Development
1161 Agriculture Administration Building
Purdue University
West Lafayette, IN 47907-1161
(317) 494-8422 / Fax: (317) 496-1152
E-mail: msk@four_h.purdue.edu

Ag in the Classroom State Leader

This program promotes increased understanding of agriculture and possible careers in the agricultural sciences. With National leadership provided by USDA, each State manages its own programs, with assistance from agribusiness, educational institutions, and government.

Harry L. Pearson, Indiana Farm Bureau
PO Box 1290
Indianapolis, IN 46206
(317) 692-7851 / Fax: (317) 692-7854

Pam Bright, Office of Commission
150 West Market, Suite 414
Indianapolis, IN 46024
(317) 232-8769

▶Department of Commerce (DOC)

National Sea Grant College Program, Operation Pathfinder

The program consists of two-week summer courses that present an introduction to oceanographic and coastal processes. Courses are available in six regions and are designed to enhance skills in science teaching.

Al Miller and Jim Lubner
University of Wisconsin
Wisconsin Sea Grant
1800 University Avenue
Madison, WI 53705-4094
(608) 262-0644 / Fax: (608) 263-2063

▶Department of Education (ED)

Eisenhower State Coordinators

Eisenhower State Coordinators administer the Eisenhower Professional Development Program State Formula grants. The program focuses on sustained and intensive high-quality professional development through inservice programs.

Phyllis L. Usher
Eisenhower Professional Development Program
Indiana Department of Education
229 State House
Indianapolis, IN 46204-2798
(317) 232-6984 / Fax: (317) 232-9121

Eisenhower State Coordinators for Higher Education

Eisenhower State Coordinators oversee the Eisenhower Professional Development State Formula Grants for the State Agency for Higher Education (SAHE). The program focuses on teacher enhancement through both inservice and preservice programs.

Dr. Karen Rasmussen and Steven Laughner, Associate Commissioners
Planning and Policy Studies
Eisenhower Professional Development Program
Indiana Commission for Higher Education
101 West Ohio, Suite 550
Indianapolis, IN 46204-1909
(317) 464-4400 / Fax: (317) 464-4410

Midwest Consortium for Mathematics and Science Education

The Eisenhower Regional Consortium provides information and technical assistance to help States and school districts improve mathematics and science education.

Dr. Gilbert Valdez, Director
Midwest Consortium for Mathematics and Science Education
1900 Spring Road, Suite 300
Oak Brook, IL 60521
(708) 571-4700 / Fax: (708) 571-4716
WWW: http://www.ncrel.org/msc/msc.htm

North Central Regional Educational Laboratory (NCREL)

NCREL identifies effective teaching techniques and school improvement efforts within the region and shares this information with State and local educators.

Jeri Nowakowski, Executive Director
NCREL
1900 Spring Road, Suite 300
Oak Brook, IL 60521
(708) 571-4700 / Fax: (708) 571-4716
WWW: http://www.ncrel.org/

North Central Regional Technology in Education Consortium (NCRTEC)

ED established the Regional Technology in Education (R*TEC) program in the fall of 1995 to help States, districts, schools, adult literacy centers, and other educational institutions use advanced technology to support improved teaching and student achievement. R*TEC's role in educational technology is unique in two ways: the emphasis is regional and the primary goal is to ensure that technology is used effectively to support school reform. Program strategies include professional development, technical assistance, and information dissemination.

Randy Knuth, Director
NCRTEC
North Central Regional Educational Laboratory
1900 North Spring Road, Suite 300
Oak Brook, IL 60521-1480
(630) 571-4710 / Fax: (630) 218-4989
E-mail: rknuth@ncrel.org
WWW: http://www.ncrtec.org/

Catherine Mozer Conner, R*TEC Program Officer
U.S. Department of Education
Office of Educational Research and Improvement
ORAD/SLSD, Room 506a
555 New Jersey Avenue NW
Washington, DC 20208-5644
(202) 219-8070
E-mail: cconnor@inet.ed.gov

▶Department of the Interior (DOI)

Bureau of Land Management Eastern States Office

The office provides information about educational programs, materials, and local land-management issues.

Education Coordinator
Bureau of Land Management
7450 Boston Boulevard
Springfield, VA 22153
(703) 440-1713

Indiana Dunes National Lakeshore

Lakeshore programs, including guided walks and teacher guides, focus on lakeshore ecology. Specific programs include the following:

- **A Grain of Truth** allows participants to observe winds and waves at work creating, shaping, eroding, and moving dunes. Students hike approximately one mile along beach and dune trails to learn about the processes of glaciation, erosion, and dune building. The specific activities and interpretive techniques used will be adapted to the experience and abilities of the group and special circumstances that may exist on the day of the program.
- **The Biological Diversity Program** explores whether we could survive without the incredible variety of plant and animal life that shares the Earth with us. Participants investigate the great variety of living organisms and communities, and learn of the importance of biodiversity to the continued existence of living ecosystems.
- **Discover** allows participants to be detectives to find all the clues to the wonders of nature. By using their senses, students find what's new and what's old.
- **The Earth Day Celebration** invites students to explore how our consumptive lifestyle affects our environment. Subjects include habitat loss, pollution, endangered species, and recycling. Indoor and outdoor activities help students develop a sense of belonging to the natural environment and show them actions they can take to help protect it.
- **Fall Fanfare** explores the many changes in the dunes at this season. Students search the dunes and forests for evidence of change and learn of fall activities and adaptations that plants and animals use to prepare for winter.
- **Fire Ecology** investigates the properties behind fire's dynamic force. Students learn why some ecosystems need fire to maintain themselves. Methods of prescribed burn and fire management using current technology are described.
- **Fire Friend or Foe** teaches students how some plants need fire to survive. Participants explore the nutrient cycle and discuss fire's use as a tool for managing our natural resources. Safety equipment used in fire suppression by National Park Service Rangers is explained.
- **Habitats Hike** helps students discover why Indiana Dunes has the third largest number of plant species in the entire National Park System. Participants investigate the many habitats, including a forested dune, wetland area, and a sand prairie, and learn about the diversity of life each supports.
- **Lake Michigan Alive** features the life cycles of the lake. Students experience the predator/prey relationships and discuss the differences of aquatic life from land animals. Individual groups participate in reenacting the day-to-day struggles of a lake creature.
- **Let's Get Wild About Wildlife** answers such questions as, Who lives in that cattail mound? Who's swooping down to grab that mouse? Who gnawed on that tree branch? On a hike students become detectives searching for animal homes and signs. Students will see and be able to touch a box turtle or snake. Other indoor and outdoor activities will teach students about animal habitat and predator/prey relationships. By the end of the program, students will realize that wildlife habitat is being destroyed. They will be able to name ways to help protect wildlife.
- **Mother Nature's Recycling Center** allows students to investigate the process of decomposition and renewal during a walk in the woods at the Douglas Center. Participants learn what they can recycle at home to save energy and space. They develop creative and critical thinking abilities using reading, writing, and math skills, while learning about recycling in nature and our communities.

- **Mount Baldy Moves** gives students the chance to climb a dune, hike along a wooded trail and catch a spectacular view of Lake Michigan. Participants in role-playing activities learn how wind, water, waves, and plants work together to form dunes. Also described are the ways in which humans have altered dune formations.
- **Out on a Limb** allows students to explore the mysterious inner workings of the forest community. By using a key, students will learn to identify trees. Through a rotten log study, they will uncover the importance of fungi and bacteria. Activities will reveal people's dependence on forests and the need for wise management of our forests.
- **Pinhook Bog** was born during the retreat of the last glacier, when a chunk of glacier fell off into a clay area and created a kettle lake. Through the course of the next 10,000 years, as sphagnum moss moved in and closed off the lake, a unique environment of insect-eating plants, highly acidic water and quaking earth, and delicious blueberries was created. The specific activities and interpretive techniques used will be adapted to the experience and abilities of the group and special circumstances that exist on the day of the program.
- **Reflections on Snow** helps students discover winter while hiking or cross-country skiing in Miller Woods. Indoor activities explore tracking, predation, and winter habitats.
- **The Secrets of Succession** allows participants to travel through time from beach and dunes through jack pine forests to ancient oak-covered dunes. On this approximately one-mile hike, students discover how the dynamic process of dune succession works by measuring the sunlight, wind speed, percolation rate, soil moisture, and soil temperature of four biological communities. The specific activities and interpretive techniques used will be adapted to the experience and abilities of the group and special circumstances that may exist on the day of the program.
- **Survival of the Fittest** teaches students that each species has adaptations that allow it to survive in its habitat. Also discussed is how predator/prey relationships allow wildlife to maintain an acceptable balance in nature.
- **Talk with the Animals** is a puppet show in which students meet characters such as Otis Oak, Patty Poison Ivy, Sammy Skunk, Freddie Frog, and Carl Cattail. As the puppets talk, they reveal their secret haunts and habits. Students will see how the animals and plants of Miller Woods work together as neighbors. On a short walk around a pond and through a forest, students search for the springtime activity of plants and animals.
- **Tracking Animals** familiarizes students with animal signs such as tracks, droppings, gnawings, scratchings, rubs, dams, nests, and burrows. Noting these signs can open up a whole new story in an otherwise familiar setting.
- **Water, Water Everywhere** provides valuable information on the sources of water, the water cycle, and conservation of this precious resource. Through activities and the use of a groundwater model, students discover the value of water.
- In **Water World**, students use nets and pans to study and collect insects from a pond. Indoors, students will use microscopes to identify pond plants and animals. Through this pond life investigation and a movie, students discover the rich diversity of pond life. From indoor activities, students learn about the history of water pollution and its effect on water quality and pond life diversity. Also, they learn about the scarcity of pure, useable water and about ways that they can use water more wisely.
- **Winter Exploration** allows students to admire the beauty of the winter woods, search for signs of winter, and seek the food and shelter of animals. Activities help students to understand how plants and animals adapt to survive the winter. An indoor discussion will precede either hiking or snowshoeing through the woods.
- In **Winter Wonderland**, students discover what animals do to prepare for winter.

Bruce Rowe, Environmental Education
  Program Manager
Indiana Dunes National Lakeshore
1100 N. Mineral Springs
Porter, IN 46304
(219) 938-8221 / Fax: (219) 926-7561

Muscatatuck National Wildlife Refuge

With a focus on waterfowl management, the refuge offers an orientation, an audiovisual presentation, and self-guided walks.

Division of Interpretation
Muscatatuck National Wildlife Refuge
12985 East U.S. Highway 50
Seymour, IN 47274
(812) 522-4352 / Fax: (812) 522-6826

Project WILD

Project WILD offers teacher training and educational materials. Teacher guides, free to teachers who attend the training session, contain more than 80 supplementary, interdisciplinary activities for grades K–12.

Warren Gartner, Project WILD Coordinator
Indiana Department of Natural Resources
6013 Lakeside Boulevard
Indianapolis, IN 46278-1996
(317) 290-3223 / Fax: (317) 290-3225

▶ Department of Labor (DOL)

Job Training Partnership Act (JTPA) Liaison

The JTPA Liaison can provide information about the Job Training Partnership Act State and local programs for economically disadvantaged adults and youth.

Bruce F. Kearney, Acting Commissioner
Indiana Department of Workforce
  Development
10 North Senate Avenue, Room 302
Indianapolis, IN 46204
(317) 232-7670 / Fax: (317) 233-4793

▶ Department of Transportation (DOT)

Federal Aviation Administration (FAA) Aviation Education

The FAA Aviation Education Representative coordinates aviation education services, including materials and programs for the FAA in the States assigned to the region.

Programs include the following:

- **The Aviation Career Education (ACE) Academy** is a one-week summer aviation education program for high school students sponsored by the FAA along with a host educational institution. The program provides students with diverse experiences in aviation career exploration. The focus is on aviation career clusters identified by FAA, with an emphasis on opportunities for women and minorities. A goal is to have one program in each State and U.S. Territory. The FAA will conduct regional leadership workshops and provide funds based on the availability of resources.
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the Nation. The FAA provides information, materials, and speakers for the program.

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Lee Carlson, AGL-11, FAA Aviation
Education Representative
O'Hare Lake Officer Center
2300 East Devon Avenue
Des Plaines, IL 60018
(708) 294-7042 / Fax: (708) 294-7368

FAA Aviation Education Resource Centers

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Hassan Chaharlang, ICPAC Hotline Director
Indiana College of Placement and Assessment
Center
2805 East 10th Street
Bloomington, IN 47408
(812) 855-8475

▶ Environmental Protection Agency (EPA)

EPA Regional Office

This office takes part in a variety of environmental education programs for both teachers and students. Programs range from teacher workshops and student contests to in-school presentations. Information on environmental issues is also available through the Public Information Center located at the office.

Suzanne Saric, Environmental Education
Coordinator
Environmental Protection Agency
77 West Jackson Boulevard (PI-19J)
Chicago, IL 60604
(312) 353-3209 / Fax: (312) 353-1155

The President's Environmental Youth Awards (PEYA) Program

Young people from each State are invited to participate in PEYA, a nationwide program designed to encourage individuals, school classes, summer camps, public interest groups, and youth organizations to promote environmental awareness and community involvement. The two components of the program are the regional certificate program and the National awards competition. Regional certificates, signed by the President, are awarded to each participant by EPA regional offices. National individual project winners, or one representative from a National award-winning group project, along with one sponsor, are honored at EPA headquarters in Washington, DC. Interested K–12 individuals or groups may obtain application materials and contest rules by contacting the EPA Regional Office that serves their State. PEYA has been an ongoing project since it was created by the White House Office of Education and the EPA in 1971.

EPA Region 5
77 West Jackson Boulevard (PI-19J)
Chicago, IL 60604
(800) 621-8431 / Fax: (312) 353-1155

▶ National Aeronautics and Space Administration (NASA)

NASA Educator Resource Center

The center has NASA-related educational materials in various formats, including laserdiscs, CD-ROMs, videotapes, slides, audiotapes, publications, and teacher guides. Educators may preview or copy NASA materials upon request.

NASA Lewis Research Center
Educator Resource Center
21000 Brookpark Road, MS 8-1
Cleveland, OH 44135-3191
(216) 433-2017

NASA Field Centers

Each field center has an educational programs officer who is responsible for precollege education programs. In addition to administering National programs, the center offers programs and services to meet regional and local needs.

Jo Ann Charleston, Acting Chief
Office of Educational Programs
NASA Lewis Research Center
21000 Brookpark Road, MS 7-4
Cleveland, OH 44135-3191
(216) 433-2957

NASA Regional Educator Resource Center (RERC)

To offer more educators the opportunity to visit the Educator Resource Center Network (ERCN), NASA forms partnerships with planetariums, universities, museums, and other nonprofit organizations to serve as RERCs. Teachers may preview or copy NASA materials upon request.

University of Evansville
NASA Regional Educator Resource Center
School of Education
1800 Lincoln Avenue
Evansville, IN 47722
(812) 479-2393

Space Grant Consortium

The Space Grant Consortium in each State consists of colleges, universities, industry, and other organizations that have an interest in aeronautics and space education. Each consortium receives NASA funds for use in implementing a balanced program of research, education, and public service.

Indiana Space Grant Consortium
School of Aeronautics and Astronautics
1282 Grissom Hall, Purdue University
West Lafayette, IN 47907-1282
(317) 494-5117

Iowa

▶ Department of Agriculture (USDA)

4-H State Leader

The State 4-H Youth Development Programs are administered by the Cooperative Extension Service at land-grant universities. State 4-H leaders coordinate outreach services and training to all county offices.

Dr. Joseph R. Kurth, Director for Youth
and 4-H
33 Curtiss Hall
Iowa State University
Ames, IA 50011
(515) 294-1018 / Fax: (515) 294-4443
E-mail: x1kurth@exnet.iastate.edu

Ag in the Classroom State Leader

This program promotes increased understanding of agriculture and possible careers in the agricultural sciences. With National leadership provided by USDA, each State manages its own programs, with assistance from agribusiness, educational institutions, and government.

Barbara J. Lykins
Iowa Farm Bureau Federation
5400 University Avenue
West Des Moines, IA 50266-5997
(515) 225-5425 / Fax: (515) 225-5419

▶Department of Education (ED)

Eisenhower State Coordinators

Eisenhower State Coordinators administer the Eisenhower Professional Development Program State Formula grants. The program focuses on sustained and intensive high-quality professional development through inservice programs.

Dr. John Wheeler, Chief
Bureau of Instructional Services
Eisenhower Professional Development Program
Iowa Department of Education
Grimes State Office Building
Des Moines, IA 50319-0145
(515) 281-3874 / Fax: (515) 242-5988

Eisenhower State Coordinators for Higher Education

Eisenhower State Coordinators oversee the Eisenhower Professional Development State Formula Grants for the State Agency for Higher Education (SAHE). The program focuses on teacher enhancement through both inservice and preservice programs.

Dr. Robert J. Barak, Deputy Executive Director
Eisenhower Professional Development Program
Iowa State Board of Regents
East 12th Street and Grand Avenue
Old Historical Building
Des Moines, IA 50319
(515) 281-3934 / Fax: (515) 281-6420

Midwest Consortium for Mathematics and Science Education

The Eisenhower Regional Consortium provides information and technical assistance to help States and school districts improve mathematics and science education.

Dr. Gilbert Valdez, Director
Midwest Consortium for Mathematics and Science Education
1900 Spring Road, Suite 300
Oak Brook, IL 60521
(708) 571-4700 / Fax: (708) 571-4716
WWW: http://www.ncrel.org/msc/msc.htm

North Central Regional Educational Laboratory (NCREL)

NCREL identifies effective teaching techniques and school improvement efforts within the region and shares this information with State and local educators.

Jeri Nowakowski, Executive Director
NCREL
1900 Spring Road, Suite 300
Oak Brook, IL 60521
(708) 571-4700 / Fax: (708) 571-4716
WWW: http://www.ncrel.org/

North Central Regional Technology in Education Consortium (NCRTEC)

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North Central Regional Educational Laboratory
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Oak Brook, IL 60521-1480
(630) 571-4710 / Fax: (630) 218-4989
E-mail: rknuth@ncrel.org
WWW: http://www.ncrtec.org/

Catherine Mozer Conner, R*TEC Program Officer
U.S. Department of Education
Office of Educational Research and Improvement
ORAD/SLSD, Room 506a
555 New Jersey Avenue NW
Washington, DC 20208-5644
(202) 219-8070
E-mail: cconnor@inet.ed.gov

▶Department of Energy (DOE)

Adventures in Supercomputing (AiS)

This program is designed to foster and enhance the participation of diverse populations of high school students in mathematics, science, and computing.

Barbara G. Summers, Education Program Manager
Oak Ridge National Laboratory
Office of University and Science Education
PO Box 2008, MS 6366
Oak Ridge, TN 37831-6366
(423) 241-3705 / Fax: (423) 241-6776
E-mail: summersbg@ornl.gov

Ames Laboratory

The laboratory offers teacher workshops in science and mathematics. Educational programs, including contests, classes, and mentoring, are also available for students.

Connie Hargrave, Ph.D., Manager
Ames Laboratory Education Programs
252 TASF
Ames Laboratory
Iowa State University
Ames, IA 50011
(515) 294-5343 / Fax: (515) 294-6206
E-mail: cph@iastate.edu

▶Department of the Interior (DOI)

Bureau of Land Management Eastern States Office

The office provides information about educational programs, materials, and local land-management issues.

Education Coordinator
Bureau of Land Management
7450 Boston Boulevard
Springfield, VA 22153
(703) 440-1713

DeSoto National Wildlife Refuge

The refuge offers guided walks and materials that focus on prairie ecology, bird migration, and basic environmental education.

Outdoor Recreation Planner
DeSoto National Wildlife Refuge
Rural Route 1, Box 114
Missouri Valley, IA 51555
(712) 642-4121 / Fax: (712) 271-4210

Project WILD

Project WILD offers teacher training and educational materials. Teacher guides, free to teachers who attend the training session, contain more than 80 supplementary, interdisciplinary activities for grades K–12.

Duane Toomsen, Project WILD Coordinator
Department of Public Instruction
Grimes State Office Building
Des Moines, IA 50309
(515) 281-3146 / Fax: (515) 242-6025

Barb Giger, Aquatic WILD Coordinator
Department of Natural Resources
2473 160th Road
Guthrie Center, IA 50115
(515) 747-2200 / Fax: (515) 747-3951

▶ Department of Labor (DOL)

Job Training Partnership Act (JTPA) Liaison

The JTPA Liaison can provide information about the Job Training Partnership Act State and local programs for economically disadvantaged adults and youth.

Jeff Nall, Administrator
Division of Workforce Development
Iowa Department of Economic Development
150 Des Moines Street
Des Moines, IA 50309
(515) 281-9013 / Fax: (515) 242-9033

▶ Department of Transportation (DOT)

Federal Aviation Administration (FAA) Aviation Education

The FAA Aviation Education Representative coordinates aviation education services, including materials and programs for the FAA in the States assigned to the region.

Programs include the following:

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Maria Navarro, ACE-10, FAA Aviation Education Representative
601 East 12th Street
Federal Building, Room 1501
Kansas City, MO 64106
(816) 426-3046 / Fax: (816) 426-3091

FAA Aviation Education Resource Centers

Located at colleges, museums, and State aviation authority offices, these centers function as information distribution centers for Federal Aviation Administration education materials and resources. The Resource Centers maintain and provide quantities of printed materials, videotapes, and computer educational software. Center personnel can also provide general information, conduct workshops, and make aviation-related presentations.

Julie Wilkinson
IRTS
Aviation Education Resource Center
The University of Northern Iowa
222 Schindler Education Center
Cedar Falls, IA 50614-0610
(319) 273-2717

▶ Environmental Protection Agency (EPA)

EPA Regional Office

This office takes part in a variety of environmental education programs for both teachers and students. Programs range from teacher workshops and student contests to in-school presentations. Information on environmental issues is also available through the Public Information Center located at the office.

Rowena Michaels, Environmental Education Coordinator
Environmental Protection Agency
726 Minnesota Avenue
Kansas City, KS 66101
(913) 551-7003 / Fax: (913) 551-7066

The President's Environmental Youth Awards (PEYA) Program

Young people from each State are invited to participate in PEYA, a nationwide program designed to encourage individuals, school classes, summer camps, public interest groups, and youth organizations to promote environmental awareness and community involvement. The two components of the program are the regional certificate program and the National awards competition. Regional certificates, signed by the President, are awarded to each participant by EPA regional offices. National individual project winners, or one representative from a National award-winning group project, along with one sponsor, are honored at EPA headquarters in Washington, DC. Interested K–12 individuals or groups may obtain application materials and contest rules by contacting the EPA Regional Office that serves their State. PEYA has been an ongoing project since it was created by the White House Office of Education and the EPA in 1971.

EPA Region 7
726 Minnesota Avenue
Kansas City, KS 66101
(913) 551-7003 / Fax: (913) 551-7066

▶ National Aeronautics and Space Administration (NASA)

NASA Educator Resource Center

The center has NASA-related educational materials in various formats, including laserdiscs, CD-ROMs, videotapes, slides, audiotapes, publications, and teacher guides. Educators may preview or copy NASA materials upon request.

U.S. Space and Rocket Center
NASA Educator Resource Center
for Marshall Space Flight Center
PO Box 070015
Huntsville, AL 35807-7015
(205) 544-5812

NASA Field Centers

Each field center has an educational programs officer who is responsible for precollege education programs. In addition to administering National programs, the center offers programs and services to meet regional and local needs.

Jim Pruitt, Acting Director
Education Programs Office
Mail Code CL01
NASA Marshall Space Flight Center
Huntsville, AL 35812-0001
(205) 544-8800

NASA Regional Educator Resource Center (RERC)

To offer more educators the opportunity to visit the Educator Resource Center Network (ERCN), NASA forms partnerships with planetariums, universities, museums, and other nonprofit organizations to serve as

RERCs. Teachers may preview or copy NASA materials upon request.

University of Northern Iowa
NASA Regional Educator Resource Center
IRTS, Room 222, Schindler Education Center
Cedar Falls, IA 50614-0009
(319) 273-6066

Space Grant Consortium

The Space Grant Consortium in each State consists of colleges, universities, industry, and other organizations that have an interest in aeronautics and space education. Each consortium receives NASA funds for use in implementing a balanced program of research, education, and public service.

Iowa Space Grant Consortium
408 Town Engineering Building
Iowa State University
Ames, IA 50011-3231
(515) 294-3106

Michigan

▶Department of Agriculture (USDA)

4-H State Leader

The State 4-H Youth Development Programs are administered by the Cooperative Extension Service at land-grant universities. State 4-H leaders coordinate outreach services and training to all county offices.

Sandy Clarkson, Associate Program Director
4-H Youth Program
6H Berkey Hall
Michigan State University
East Lansing, MI 48824-1111
(517) 355-0180 / Fax: (517) 355-6748
E-mail: clarkson@msuces.canr.msu.edu

Ag in the Classroom State Leader

This program promotes increased understanding of agriculture and possible careers in the agricultural sciences. With National leadership provided by USDA, each State manages its own programs, with assistance from agribusiness, educational institutions, and government.

Dr. Eddie Moore
Michigan State University
410 Agriculture Hall
East Lansing, MI 48824
(517) 355-6580 / Fax: (517) 323-1888

Julie Chamberlain
Michigan Farm Bureau
7373 West Saginaw Highway
Lansing, MI 48909
(517) 323-7000 / Fax: (517) 323-6793

▶Department of Commerce (DOC)

Great Lakes Environmental Research Laboratory

The laboratory participates in a local partnership program and offers tours of facilities and discussion on Great Lake problems.

Tom Nalepa
Great Lakes Environmental Research
Laboratory
National Oceanic and Atmospheric
Administration
2205 Commonwealth Boulevard
Ann Arbor, MI 48105-1593
(313) 741-2285 / Fax: (313) 741-2055

National Sea Grant College Program, Operation Pathfinder

The program consists of two-week summer courses that present an introduction to oceanographic and coastal processes. Courses are available in six regions and are designed to enhance skills in science teaching.

Al Miller and Jim Lubner
University of Wisconsin
Wisconsin Sea Grant
1800 University Avenue
Madison, WI 53705-4094
(608) 262-0644 / Fax: (608) 263-2063

▶Department of Education (ED)

Eisenhower State Coordinators

Eisenhower State Coordinators administer the Eisenhower Professional Development Program State Formula grants. The program focuses on sustained and intensive high-quality professional development through inservice programs.

Sue K. Harrison
Eisenhower Professional Development
Program
Michigan Department of Education
PO Box 30008
Lansing, MI 48909
(517) 373-1236 / Fax: (517) 335-2473

Eisenhower State Coordinators for Higher Education

Eisenhower State Coordinators oversee the Eisenhower Professional Development State Formula Grants for the State Agency for Higher Education (SAHE). The program focuses on teacher enhancement through both inservice and preservice programs.

Barbara Johnson
Eisenhower Professional Development
Program
Michigan Department of Education
Higher Education Management Services
PO Box 30008
Lansing, MI 48909
(517) 373-8577 / Fax: (517) 373-2759

Midwest Consortium for Mathematics and Science Education

The Eisenhower Regional Consortium provides information and technical assistance to help States and school districts improve mathematics and science education.

Dr. Gilbert Valdez, Director
Midwest Consortium for Mathematics and
Science Education
1900 Spring Road, Suite 300
Oak Brook, IL 60521
(708) 571-4700 / Fax: (708) 571-4716
WWW: http://www.ncrel.org/msc/msc.htm

North Central Regional Educational Laboratory (NCREL)

NCREL identifies effective teaching techniques and school improvement efforts within the region and shares this information with State and local educators.

Jeri Nowakowski, Executive Director
NCREL
1900 Spring Road, Suite 300
Oak Brook, IL 60521
(708) 571-4700 / Fax: (708) 571-4716
WWW: http://www.ncrel.org/

North Central Regional Technology in Education Consortium (NCRTEC)

ED established the Regional Technology in Education (R*TEC) program in the fall of 1995 to help States, districts, schools, adult literacy centers, and other educational institutions use advanced technology to support improved teaching and student achievement. R*TEC's role in educational technology is unique in two ways: the emphasis is regional and the primary goal is to ensure that technology is used effectively to support school reform. Program strategies include professional development, technical assistance, and information dissemination.

Randy Knuth, Director
NCRTEC
North Central Regional Educational Laboratory
1900 North Spring Road, Suite 300
Oak Brook, IL 60521-1480
(630) 571-4710 / Fax: (630) 218-4989
E-mail: rknuth@ncrel.org
WWW: http://www.ncrtec.org/

Catherine Mozer Conner, R*TEC Program Officer
U.S. Department of Education
Office of Educational Research and Improvement
ORAD/SLSD, Room 506a
555 New Jersey Avenue NW
Washington, DC 20208-5644
(202) 219-8070
E-mail: cconnor@inet.ed.gov

▶Department of the Interior (DOI)

Bureau of Land Management Eastern States Office

The Bureau of Land Management State Office provides information about educational programs, materials, and local land-management issues.

Education Coordinator
Bureau of Land Management
7450 Boston Boulevard
Springfield, VA 22153
(703) 440-1713

Isle Royale National Park

Summer programs at the park offer curriculum-related information on natural resource issues to students in grades three to six. Park rangers visit schools in the winter.

Wolves and Wetlands of Isle Royale National Park consists of traveling trunks used to educate students about the important role predators and wetlands play in the natural world and their significance to the park.

Terry Lindsay, Interpretive Specialist
Isle Royale National Park
800 East Lakeshore Drive
Houghton, MI 49931
(906) 482-0986 / Fax: (906) 482-8753

Pictured Rocks National Lakeshore

Natural Science Awareness is a science enrichment program for students and teachers in the county adjoining the lakeshore. Emphasis is on teaching seven basic ecology concepts (energy flow, cycles, diversity, community, interrelationships, change, adaptation) and thinking skills through in-class activities, field trips, and the scientific method. Educational equipment and materials are available for loan.

David B. Kronk, Education Specialist
Pictured Rocks National Lakeshore
PO Box 40
Munising, MI 49862-0040
(906) 387-2607 / Fax: (906) 387-4025

Project WILD

Project WILD offers teacher training and educational materials. Teacher guides, free to teachers who attend the training session, contain more than 80 supplementary, interdisciplinary activities for grades K–12.

Dale Elshoff, Project WILD Coordinator
Tollgate Education Center
28115 Meadowbrook Road
Novi, MI 48377-3128
(810) 347-3860 / Fax: (810) 347-3862

Seney National Wildlife Refuge

Spring and fall environmental education programs at the refuge inform students about wildlife management. Guided walks and in-class presentations are also available.

Division of Interpretation
Seney National Wildlife Refuge
HCR #2, Box 1
Seney, MI 49883
(906) 586-9851 / Fax: (906) 586-3800

▶Department of Labor (DOL)

Job Training Partnership Act (JTPA) Liaison

The JTPA Liaison can provide information about the Job Training Partnership Act State and local programs for economically disadvantaged adults and youth.

Douglas E. Stites, Vice President
Michigan Jobs Commission
PO Box 30015
Lansing, MI 48909
(517) 373-6227 / Fax: (517) 373-0314

▶Department of Transportation (DOT)

Federal Aviation Administration (FAA) Aviation Education

The FAA Aviation Education Representative coordinates aviation education services, including materials and programs for the FAA in the States assigned to the region.

Programs include the following:

- **The Aviation Career Education (ACE) Academy** is a one-week summer aviation education program for high school students sponsored by the FAA along with a host educational institution. The program provides students with diverse experiences in aviation career exploration. The focus is on aviation career clusters identified by FAA, with an emphasis on opportunities for women and minorities. A goal is to have one program in each State and U.S. Territory. The FAA will conduct regional leadership workshops and provide funds based on the availability of resources.
- **Aviation Education Workshops for Teachers** provide teachers with information on FAA aviation programs and materials and prepare them to teach aviation in the classroom. Annual workshops are conducted at colleges and universities across the Nation. The FAA provides information, materials, and speakers for the program.
- **National Congress on Aviation and Space Education** is sponsored annually by the FAA in partnership with the National Aeronautics and Space Administration and the Civil Air Patrol. The meeting includes teacher workshops and crosstalk sessions to exchange ideas on promoting aerospace education.

Lee Carlson, AGL-11, FAA Aviation Education Representative
O'Hare Lake Officer Center
2300 East Devon Avenue
Des Plaines, IL 60018
(708) 294-7042 / Fax: (708) 294-7368

FAA Aviation Education Resource Centers

Located at colleges, museums, and State aviation authority offices, these centers function as information distribution centers for Federal Aviation Administration education materials and resources. The Resource Centers maintain and provide quantities of printed materials, videotapes, and computer educational software. Center personnel can also provide general information, conduct workshops, and make aviation-related presentations.

Karen Conrad, Interim Director
Aviation Education Resource Center
Oakland University
Aviation and Space Center
216 O'Dowd Hall, Room 216
Rochester, MI 48309-4401
(313) 370-2485

Barbara Koscak
Aviation Education Resource Center
Project STARS
PO Box 450082, Building 814
Selfridge ANG Base, MI 48045
(313) 466-4884

Thomas Krashen, Manager
Michigan Department of Transportation
Bureau of Aeronautics
2700 East Airport Service Drive
Lansing, MI 48906
(517) 335-9977

▶Environmental Protection Agency (EPA)

EPA Regional Office

This office takes part in a variety of environmental education programs for both teachers and students. Programs range from teacher workshops and student contests to in-school presentations. Information on environmental issues is also available through the Public Information Center located at the office.

Suzanne Saric, Environmental Education Coordinator
Environmental Protection Agency
77 West Jackson Boulevard (PI-19J)
Chicago, IL 60604
(312) 353-3209 / Fax: (312) 353-1155

The President's Environmental Youth Awards (PEYA) Program

Young people from each State are invited to participate in PEYA, a nationwide program designed to encourage individuals, school classes, summer camps, public interest groups, and youth organizations to promote environmental awareness and community involvement. The two components of the program are the regional certificate program and the National awards competition. Regional certificates, signed by the President, are awarded to each participant by EPA regional offices. National individual project winners, or one representative from a National award-winning group project, along with one sponsor, are honored at EPA headquarters in Washington, DC. Interested K–12 individuals or groups may obtain application materials and contest rules by contacting the EPA Regional Office that serves their State. PEYA has been an ongoing project since it was created by the White House Office of Education and the EPA in 1971.

EPA Region 5
77 West Jackson Boulevard (PI-19J)
Chicago, IL 60604
(800) 621-8431 / Fax: (312) 353-1155

▶National Aeronautics and Space Administration (NASA)

NASA Educator Resource Center

The center has NASA-related educational materials in various formats, including laserdiscs, CD-ROMs, videotapes, slides, audiotapes, publications, and teacher guides. Educators may preview or copy NASA materials upon request.

NASA Lewis Research Center
Educator Resource Center
21000 Brookpark Road, MS 8-1
Cleveland, OH 44135-3191
(216) 433-2017

NASA Field Centers

Each field center has an educational programs officer who is responsible for precollege education programs. In addition to administering National programs, the center offers programs and services to meet regional and local needs.

Jo Ann Charleston, Acting Chief
Office of Educational Programs
NASA Lewis Research Center
21000 Brookpark Road, MS 7-4
Cleveland, OH 44135-3191
(216) 433-2957

NASA Regional Educator Resource Center (RERC)

To offer more educators the opportunity to visit the Educator Resource Center Network (ERCN), NASA forms partnerships with planetariums, universities, museums, and other nonprofit organizations to serve as RERCs. Teachers may preview or copy NASA materials upon request.

Central Michigan University
NASA Regional Educator Resource Center
Ronan Hall, Room 101
Mt. Pleasant, MI 48859
(517) 774-4387

Northern Michigan University
NASA Regional Educator Resource Center
Olson Library Media Center
Marquette, MI 49855
(906) 227-2270

Oakland University
NASA Regional Educator Resource Center
O'Dowd Hall, Room 216
Rochester, MI 48309-4401
(313) 370-2485 or 4230

Space Grant Consortium

The Space Grant Consortium in each State consists of colleges, universities, industry, and other organizations that have an interest in aeronautics and space education. Each consortium receives NASA funds for use in implementing a balanced program of research, education, and public service.

Michigan Space Grant Consortium
2106 SRB, University of Michigan
Ann Arbor, MI 48109-2143
(313) 764-9508

▶National Science Foundation (NSF)

Statewide Systemic Initiatives (SSI) Program

One goal of Michigan's SSI Program is to summarize research on new kinds of science and mathematics teaching. Other goals include increasing State guidance for local efforts, creating schools to address needs of low-achieving and disadvantaged populations, redesigning teacher education, and stimulating and supporting district efforts.

Nancy Mincemoyer
Michigan Department of Education
PO Box 30008
Lansing, MI 48909
(517) 373-4990 / Fax: (517) 373-3241

Teresa Staten
Michigan Department of Education
PO Box 30008
Lansing, MI 48909
(517) 373-7248 / Fax: (517) 373-4589

Minnesota

▶Department of Agriculture (USDA)

4-H State Leader

The State 4-H Youth Development Programs are administered by the Cooperative Extension Service at land-grant universities. State 4-H leaders coordinate outreach services and training to all county offices.

Carol Shields, Director, 4-H
1420 Eckles Avenue, 340 Coffey Hall
University of Minnesota
St. Paul, MN 55108
(612) 625-1235 or 9700 / Fax: (612) 625-1731
E-mail: cshields@mes.umn.edu

Ag in the Classroom State Leader

This program promotes increased understanding of agriculture and possible careers in the agricultural sciences. With National leadership provided by USDA, each State manages its own programs, with assistance from agribusiness, educational institutions, and government.

Alan Withers
Minnesota Department of Agriculture
90 West Plato Boulevard
St. Paul, MN 55107
(612) 296-6688 / Fax: (612) 297-5522

▶ Department of Commerce (DOC)

National Sea Grant College Program, Operation Pathfinder

The program consists of two-week summer courses that present an introduction to oceanographic and coastal processes. Courses are available in six regions and are designed to enhance skills in science teaching.

Al Miller and Jim Lubner
University of Wisconsin
Wisconsin Sea Grant
1800 University Avenue
Madison, WI 53705-4094
(608) 262-0644 / Fax: (608) 263-2063

▶ Department of Education (ED)

Eisenhower State Coordinators

Eisenhower State Coordinators administer the Eisenhower Professional Development Program State Formula grants. The program focuses on sustained and intensive high-quality professional development through inservice programs.

Robert Crumpton
Eisenhower Professional Development Program
Minnesota Department of Education
Capitol Square Building, Room 922
St. Paul, MN 55101
(612) 296-2703 / Fax: (612) 296-3272

Eisenhower State Coordinators for Higher Education

Eisenhower State Coordinators oversee the Eisenhower Professional Development State Formula Grants for the State Agency for Higher Education (SAHE). The program focuses on teacher enhancement through both inservice and preservice programs.

Nancy B. Walters
Eisenhower Mathematics and Science Program
Minnesota Higher Education Coordinating Board
Capitol Square Building, Suite 400
550 Cedar Street
St. Paul, MN 55101
(612) 296-9777 / Fax: (612) 297-8880

Midwest Consortium for Mathematics and Science Education

The Eisenhower Regional Consortium provides information and technical assistance to help States and school districts improve mathematics and science education.

Dr. Gilbert Valdez, Director
Midwest Consortium for Mathematics and Science Education
1900 Spring Road, Suite 300
Oak Brook, IL 60521
(708) 571-4700 / Fax: (708) 571-4716
WWW: http://www.ncrel.org/msc/msc.htm

North Central Regional Educational Laboratory (NCREL)

NCREL identifies effective teaching techniques and school improvement efforts within the region and shares this information with State and local educators.

Jeri Nowakowski, Executive Director
NCREL
1900 Spring Road, Suite 300
Oak Brook, IL 60521
(708) 571-4700 / Fax: (708) 571-4716
WWW: http://www.ncrel.org/

North Central Regional Technology in Education Consortium (NCRTEC)

ED established the Regional Technology in Education (R*TEC) program in the fall of 1995 to help States, districts, schools, adult literacy centers, and other educational institutions use advanced technology to support improved teaching and student achievement. R*TEC's role in educational technology is unique in two ways: the emphasis is regional and the primary goal is to ensure that technology is used effectively to support school reform. Program strategies include professional development, technical assistance, and information dissemination.

Randy Knuth, Director
NCRTEC
North Central Regional Educational Laboratory
1900 North Spring Road, Suite 300
Oak Brook, IL 60521-1480
(630) 571-4710 / Fax: (630) 218-4989
E-mail: rknuth@ncrel.org
WWW: http://www.ncrtec.org/

Catherine Mozer Conner, R*TEC Program Officer
U.S. Department of Education
Office of Educational Research and Improvement
ORAD/SLSD, Room 506a
555 New Jersey Avenue NW
Washington, DC 20208-5644
(202) 219-8070
E-mail: cconnor@inet.ed.gov

▶ Department of the Interior (DOI)

Bureau of Land Management Eastern States Office

The Bureau of Land Management State Office provides information about educational programs, materials, and local land-management issues.

Education Coordinator
Bureau of Land Management
7450 Boston Boulevard
Springfield, VA 22153
(703) 440-1713

Minnesota Valley National Wildlife Refuge

In addition to environmental education programs, the Minnesota Valley National Wildlife Refuge offers plant and animal exhibits, interactive displays, computer programs, and interpretive lectures.

Other programs include the following:

- ▶ **The Explorer Post** is a high school student program that focuses on natural resource careers.
- ▶ **The Partner School Program** provides special benefits to participating schools, such as staff-led and offsite programs and equipment. This, in turn, benefits the Refuge by allowing the school to help with different projects.
- ▶ **School Group Orientations** provide an introduction to the ecology of the refuge.
- ▶ **Teacher Workshops** allow local teachers and youth leaders to visit the refuge to learn about the site and participate in hands-on curriculum activities that are available for students.

Suzanne Trapp, Park Ranger
Minnesota Valley NWR
3815 East 80th Street
Bloomington, MN 55425
(612) 854-5900 / Fax: (612) 725-3279
E-mail: Suzanne_Trapp@mail.fws.gov

Pipestone National Monument

Lectures on anthropology and geology of the monument are available.

Division of Interpretation
Pipestone National Monument
Box 727
Pipestone, MN 56164
(507) 825-5464

Project WILD

Project WILD offers teacher training and educational materials. Teacher guides, free to teachers who attend the training session, contain more than 80 supplementary, interdisciplinary activities for grades K–12.

Jan Orr, Acting Project WILD Coordinator
Department of Natural Resources
Box 7, 500 Lafayette Road
St. Paul, MN 55155
(612) 297-4966 / Fax: (612) 297-4961

Voyageurs National Park

The park offers environmental education programs targeted primarily to fourth graders, although arrangements can be made for students of other age groups.

Kids and Their Environment is designed to introduce northern Minnesota and southern Ontario school children to the diverse cultural and natural history that is unique to this area. A 49-passenger park tour boat serves as a floating classroom, transporting fourth, fifth, and sixth grade children throughout the park. Children visit an active beaver pond to learn how the beaver affects both flora and fauna by altering the surrounding environment through dam building that creates critical wetlands. Program participants visit an active bald eagle nest and learn about threatened and endangered species. Children also learn about the French Canadian "Voyageurs," their way of life, hardships, and importance as explorers.

Ron Meer, Environmental Education
  Coordinator
Voyageurs National Park
3131 Highway 53
International Falls, MN 56649-8904
(218) 283-9821 / Fax: (218) 285-7407

▶Department of Labor (DOL)

Job Training Partnership Act (JTPA) Liaison

The JTPA Liaison can provide information about the Job Training Partnership Act State and local programs for economically disadvantaged adults and youth.

Byron Lee Zuidema, Assistant Commissioner
Community Based Services
Minnesota Department of Jobs and Training
390 North Robert Street, Fifth Floor
St. Paul, MN 55101
(612) 296-4657 / Fax: (612) 296-5745

▶Department of Transportation (DOT)

Federal Aviation Administration (FAA) Aviation Education

The FAA Aviation Education Representative coordinates aviation education services, including materials and programs for the FAA in the States assigned to the region.

Programs include the following:

- **The Aviation Career Education (ACE) Academy** is a one-week summer aviation education program for high school students sponsored by the FAA along with a host educational institution. The program provides students with diverse experiences in aviation career exploration. The focus is on aviation career clusters identified by FAA, with an emphasis on opportunities for women and minorities. A goal is to have one program in each State and U.S. Territory. The FAA will conduct regional leadership workshops and provide funds based on the availability of resources.
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- **National Congress on Aviation and Space Education** is sponsored annually by the FAA in partnership with the National Aeronautics and Space Administration and the Civil Air Patrol. The meeting includes teacher workshops and crosstalk sessions to exchange ideas on promoting aerospace education.

Lee Carlson, AGL-11FAA Aviation
  Education Representative
O'Hare Lake Officer Center
2300 East Devon Avenue
Des Plaines, IL 60018
(708) 294-7042 / Fax: (708) 294-7368
(708) 294-7691

FAA Aviation Education Resource Centers

Located at colleges, museums, and State aviation authority offices, these centers function as information distribution centers for Federal Aviation Administration education materials and resources. The Resource Centers maintain and provide quantities of printed materials, videotapes, and computer educational software. Center personnel can also provide general information, conduct workshops, and make aviation-related presentations.

Gordon Hoff, Director
Aviation Education Resource Center
Minnesota DOT Office of Aeronautics
Aviation Education Relations
222 East Plato Boulevard
St. Paul, MN 55107-1618
(612) 297-7652

Julius Salinas, Aviation Director
Aviation Education Resource Center
Vermilion Community College
1900 East Camp Street
Ely, MN 55731
(218) 365-7200

▶Environmental Protection Agency (EPA)

EPA Regional Office

This office takes part in a variety of environmental education programs for both teachers and students. Programs range from teacher workshops and student contests to in-school presentations. Information on environmental issues is also available through the Public Information Center located at the office.

Suzanne Saric, Environmental Education
  Coordinator
Environmental Protection Agency
77 West Jackson Boulevard (PI-19J)
Chicago, IL 60604
(312) 353-3209 / Fax: (312) 353-1155

Minnesota Environmental Research Laboratory

In addition to teacher workshops, the laboratory provides environmental programs for students at various grade levels, curriculum materials, and science fairs. Laboratory tours may also be arranged.

Bob Drummond
U.S. Environmental Protection Agency
Environmental Research Laboratory
6201 Congdon Boulevard
Duluth, MN 55804
(218) 702-5733

The President's Environmental Youth Awards (PEYA) Program

Young people from each State are invited to participate in PEYA, a nationwide program designed to encourage individuals, school classes, summer camps, public interest groups, and youth organizations to promote environmental awareness and community involvement. The two components of the program are the regional certificate program and the National awards competition. Regional certificates, signed by the President, are awarded to each participant by EPA regional offices. National individual project winners, or one representative from a National award-winning group project, along with one sponsor, are honored at EPA headquarters in Washington, DC. Interested K–12 individuals or groups may obtain application materials and contest rules by contacting the EPA Regional Office that serves their State. PEYA has been an ongoing project since it was created by the White House Office of Education and the EPA in 1971.

EPA Region 5
77 West Jackson Boulevard (PI-19J)
Chicago, IL 60604
(800) 621-8431 / Fax: (312) 353-1155

▶National Aeronautics and Space Administration (NASA)

NASA Educator Resource Center

The center has NASA-related educational materials in various formats, including laserdiscs, CD-ROMs, videotapes, slides, audiotapes, publications, and teacher guides. Educators may preview or copy NASA materials upon request.

NASA Lewis Research Center
Educator Resource Center
21000 Brookpark Road, MS 8-1
Cleveland, OH 44135-3191
(216) 433-2017

NASA Field Centers

Each field center has an educational programs officer who is responsible for precollege education programs. In addition to administering National programs, the center offers programs and services to meet regional and local needs.

Jo Ann Charleston, Acting Chief
Office of Educational Programs
NASA Lewis Research Center
21000 Brookpark Road, MS 7-4
Cleveland, OH 44135-3191
(216) 433-2957

NASA Regional Educator Resource Center (RERC)

To offer more educators the opportunity to visit the Educator Resource Center Network (ERCN), NASA forms partnerships with planetariums, universities, museums, and other nonprofit organizations to serve as RERCs. Teachers may preview or copy NASA materials upon request.

Mankato State University
NASA Regional Educator Resource Center
Department of Curriculum and Instruction
MSU Box 52, PO Box 8400
Mankato, MN 56002-8400
(507) 389-5710 or 1516

St. Cloud State University
Center for Information Media
NASA Regional Educator Resource Center
720 4th Avenue, South
St. Cloud, MN 56301
(612) 255-2062

Space Grant Consortium

The Space Grant Consortium in each State consists of colleges, universities, industry, and other organizations that have an interest in aeronautics and space education. Each consortium receives NASA funds for use in implementing a balanced program of research, education, and public service.

Minnesota Space Grant Consortium
University of Minnesota, Main Campus
107 Ackerman Hall
110 Union Street SE
Minneapolis, MN 55455
(612) 625-9002

Ohio

▶Department of Agriculture (USDA)

4-H State Leader

The State 4-H Youth Development Programs are administered by the Cooperative Extension Service at land-grant universities. State 4-H leaders coordinate outreach services and training to all county offices.

Dr. David Andrews, Acting Assistant
Director and State Leader
4-H Youth Development
The Ohio State University
Agriculture Administration Building
2120 Fyffe Road
Columbus, OH 43210-1084
(614) 292-6996
E-mail: andrews.12@osu.edu

Ag in the Classroom State Leader

This program promotes increased understanding of agriculture and possible careers in the agricultural sciences. With National leadership provided by USDA, each State manages its own programs, with assistance from agribusiness, educational institutions, and government.

Judy Roush, Agriculture Awareness Council
PO Box 479
Columbus, OH 43216-0479
(614) 249-2429 / Fax: (614) 644-5702

▶Department of Commerce (DOC)

National Sea Grant College Program, Operation Pathfinder

The program consists of two-week summer courses that present an introduction to oceanographic and coastal processes. Courses are available in six regions and are designed to enhance skills in science teaching.

Al Miller and Jim Lubner
University of Wisconsin
Wisconsin Sea Grant
1800 University Avenue
Madison, WI 53705-4094
(608) 262-0644 / Fax: (608) 263-2063

Old Woman Creek National Estuarine Research Reserve

The reserve offers teacher workshops on how to use the reserve as an outdoor laboratory. Reservations are required.

Linda Feix, Education Coordinator
Old Woman Creek National Estuarine
Research Reserve
2514 Cleveland Road, East
Huron, OH 44839
(419) 433-4601 / Fax: (419) 433-2851

▶Department of Defense (DoD)

Wright Patterson Air Force Base Wright Laboratory

The laboratory offer a range of programs for both teachers and students, including the Wright State Engineering Precollege Program, which is a partnership among the Air Force, the private sector, and Wright State University. Programs are designed for educators and students within the Dayton area. In addition, the base houses the Air Force Museum.

Education Coordinator
WL-DOOP
Wright Patterson AFB, OH 45433
(513) 255-5573

▶Department of Education (ED)

Eisenhower National Clearinghouse for Mathematics and Science Education (ENC)

ENC provides K–12 teachers with a central source of information on mathematics and science curriculum materials. (See page vii for more information on ENC).

Len Simutis, Director
Eisenhower National Clearinghouse for Mathematics and Science Education
The Ohio State University
1929 Kenny Road
Columbus, OH 43210-1079
(614) 292-7784 / Fax: (614) 292-2066
(800) 621-5785
E-mail: info@enc.org
WWW: http://www.enc.org

Eisenhower State Coordinators

Eisenhower State Coordinators administer the Eisenhower Professional Development Program State Formula grants. The program focuses on sustained and intensive high-quality professional development through inservice programs.

Clayton Corke and Regina A. Lukich
Eisenhower Professional Development Program
Ohio Department of Education
65 South Front Street, Room 611
Columbus, OH 43215-4183
(614) 752-9573 / Fax: (614) 728-3058

Eisenhower State Coordinators for Higher Education

Eisenhower State Coordinators oversee the Eisenhower Professional Development State Formula Grants for the State Agency for Higher Education (SAHE). The program focuses on teacher enhancement through both inservice and preservice programs.

Marlene Rushay
Eisenhower Professional Development Program
Ohio Board of Regents, 36th Floor
3600 State Office Tower
30 East Broad Street
Columbus, OH 43266-0417
(614) 752-9475 / Fax: (614) 466-5866

ERIC Clearinghouse for Science, Mathematics, and Environmental Education

The Clearinghouse's mission is to facilitate improved teaching, learning, and research in science, mathematics, and environmental education through the active exchange of information and services. As a component of the Educational Resources Information Center (ERIC), the Clearinghouse collects, abstracts, and indexes materials for the ERIC database, the world's largest and most heavily used education-related information resource.

The database contains more than 850,000 records of reports, journal articles, instructional materials, and other items. It is accessible electronically through the Internet and at over 1,000 physical locations around the world. The Clearinghouse staff also serves educators at all levels by answering questions, providing training in use of the database, distributing educational materials electronically, disseminating practical information and documents to teachers and the general public, and developing publications used by teachers, parents, administrators, curriculum specialists, and others.

David Haury, Director
ERIC Clearinghouse for Science, Mathematics, and Environmental Education
The Ohio State University
1929 Kenny Road
Columbus, OH 43210-1080
(614) 292-6717 or (800) 276-0462
E-mail: ericse@osu.edu
WWW: http://www.ericse.org/

Midwest Consortium for Mathematics and Science Education

The Eisenhower Regional Consortium provides information and technical assistance to help States and school districts improve mathematics and science education.

Dr. Gilbert Valdez, Director
Midwest Consortium for Mathematics and Science Education
1900 Spring Road, Suite 300
Oak Brook, IL 60521
(708) 571-4700 / Fax: (708) 571-4716
WWW: http://www.ncrel.org/msc/msc.htm

North Central Regional Educational Laboratory (NCREL)

NCREL identifies effective teaching techniques and school improvement efforts within the region and shares this information with State and local educators.

Jeri Nowakowski, Executive Director
NCREL
1900 Spring Road, Suite 300
Oak Brook, IL 60521
(708) 571-4700 / Fax: (708) 571-4716
WWW: http://www.ncrel.org/

Northeast Regional Technology in Education Consortium (NetTech)

ED established the Regional Technology in Education Consortia (R*TEC) program in the fall of 1995 to help States, districts, schools, adult literacy centers, and other educational institutions use advanced technology to support improved teaching and student achievement. R*TEC's role in educational technology is unique in two ways: the emphasis is regional and the primary goal is to ensure that technology is used effectively to support school reform. Program strategies include professional development, technical assistance, and information dissemination.

Bonnie Brownstein and Michael Ribaudo, Co-Directors
NetTech
City University of New York
555 West 57th Street
New York, NY 10019
(212) 541-0972 / Fax: (212) 541-0357
E-mail: blbbh@cunyvm.cuny.edu
WWW: http://www.nettech.org

Kathy Fuller, R*TEC Project Officer
U.S. Department of Education
Office of Educational Research and Improvement
ORAD/SLSD, Room 506c
555 New Jersey Avenue NW
Washington, DC 20208-5644
(202) 219-2281
E-mail: Kathy_Fuller@ed.gov

▶Department of Energy (DOE)

Appalachian Regional Commission (ARC) and Oak Ridge National Laboratory (ORNL)

A summer science, mathematics, and technology Teacher Leadership Institute is available for secondary teachers to participate research-based programs at ORNL. The institute is provided in a two-week summer residential format patterned after the ORNL/National Science Foundation (NSF) National Teacher Enhancement Project and Leadership Institute. Participants are selected by the ARC from secondary schools throughout the ARC region.

The focus is on "hands-on" laboratory research applying the tools and methods used in ongoing ORNL projects in research areas (as appropriate for each teacher's teaching assignment), pedagogy, and leadership. The program will feature telecommunications instruction at the ORNL Regional Science Center; telecommunications will be the primary method used for academic year follow-up and continued interactions with the teachers. Participants in the Teacher Leadership Institute will be hosted by several ORNL research divisions based on each teacher's background and interests. A program coordinator with experience in teacher preparation/higher education delivers instruction in pedagogy and educational leadership.

ARC and ORNL also collaborate on a summer science, mathematics, and technology Summer Science Honors Academy for ARC students to participate in research-based programs at ORNL. Student participants (seniors or graduating seniors) will be selected by the ARC from secondary schools throughout the ARC region. Students will be teamed with research mentors to participate in "hands-on" laboratory research applying the tools and methods used in ongoing ORNL projects. Students will also receive telecommunications instruction at the ORNL Regional Science Center.

Terry L. Lashley, Education Partnerships
Team Leader
Oak Ridge National Laboratory
Office of University and Science Education
PO Box 2008
5500A, MS 6366
Oak Ridge, TN 37831-6366
(423) 574-0689 / Fax: (423) 241-6726
E-mail: TL7@ornl.gov

Fernald Environmental Management Project

The project manages programs for both students and teachers. In addition, the project sponsors a speaker's bureau, academic competitions, and science fairs.

Sue Walpole
Public Affairs
Fernald Environmental Management Project
PO Box 538704
Cincinnati, OH 45253-8704
(513) 648-4026 / Fax: (513) 648-4011
E-mail: susan_walpole@fernald.gov

▶ Department of the Interior (DOI)

Bureau of Land Management Eastern States Office

The Bureau of Land Management State Office provides information about educational programs, materials, and local land-management issues.

Education Coordinator
Bureau of Land Management
7450 Boston Boulevard
Springfield, VA 22153
(703) 440-1713

Cuyahoga Valley National Recreation Area

The Cuyahoga Valley Environmental Education Center is a new 132-bed facility serving school children from September to May. Students participate in a four-day program with multicultural and global emphasis. The curriculum, *A River Runs Through It*, blends issues, nature, and the arts into a complete tapestry. The curriculum starts with fourth through sixth grades and moves up to high school. Program teaching staff participate in a college internship. Weekend workshops for teachers are offered periodically.

A Day-Use Program includes two environmental education classes for area school groups interested in a day visit to the park. The two classes are called "At the Water's Edge" and "Among the Trees." The approach is hands-on, guided discovery.

James Bull, Environmental Education
Program Manager
Cuyahoga Valley Environmental Education
Center
Cuyahoga Valley NRA
15610 Vaughn Road
Brecksville, OH 44141
(216) 657-2796 / Fax: (216) 657-2058

Ottawa National Wildlife Refuge

Environmental education programs at the refuge include guided tours and teacher guides and workshops.

Outdoor Recreation Planner
Ottawa National Wildlife Refuge
14000 West State Road, Route 2
Oak Harbor, OH 43449
(216) 898-0014 / Fax: (216) 898-7895

Project WILD

Project WILD offers teacher training and educational materials. Teacher guides, free to teachers who attend the training session, contain more than 80 supplementary, interdisciplinary activities for grades K–12.

Paul Schiff, Project WILD Coordinator
Ohio Division of Wildlife
1840 Belcher Drive, Fountain Square G-1
Columbus, OH 43224
(614) 265-6316 / Fax: (614) 262-1171

▶ Department of Labor (DOL)

Job Training Partnership Act (JTPA) Liaison

The JTPA Liaison can provide information about the Job Training Partnership Act State and local programs for economically disadvantaged adults and youth.

Evelyn Bissonnette, Director
Job Training Partnership–Ohio Division
Ohio Bureau of Employment Services
145 South Front Street, Fourth Floor
Columbus, OH 43215
(614) 466-3817 / Fax: (614) 752-6582

▶ Department of Transportation (DOT)

Federal Aviation Administration (FAA) Aviation Education

The FAA Aviation Education Representative coordinates aviation education services, including materials and programs for the FAA in the States assigned to the region.

Programs include the following:

- **The Aviation Career Education (ACE) Academy** is a one-week summer aviation education program for high school students sponsored by the FAA along with a host educational institution. The program provides students with diverse experiences in aviation career exploration. The focus is on aviation career clusters identified by FAA, with an emphasis on opportunities for women and minorities. A goal is to have one program in each State and U.S. Territory. The FAA will conduct regional leadership workshops and provide funds based on the availability of resources.
- **Aviation Education Workshops for Teachers** provide teachers with information on FAA aviation programs and materials and prepare them to teach aviation in the classroom. Annual workshops are conducted at colleges and universities across the Nation. The FAA provides information, materials, and speakers for the program.
- **National Congress on Aviation and Space Education** is sponsored annually by the FAA in partnership with the National Aeronautics and Space Administration and the Civil Air Patrol. The meeting includes teacher workshops and crosstalk sessions to exchange ideas on promoting aerospace education.

Lee Carlson, AGL-11, FAA Aviation
Education Representative
O'Hare Lake Officer Center
2300 East Devon Avenue
Des Plaines, IL 60018
(708) 294-7042 / Fax: (708) 294-7368

FAA Aviation Education Resource Centers

Located at colleges, museums, and State aviation authority offices, these centers function as information distribution centers for Federal Aviation Administration education materials and resources. The Resource Centers maintain and provide quantities of printed materials, videotapes, and computer educational software. Center personnel can also provide general information, conduct workshops, and make aviation-related presentations.

Stephen M. Quilty, A.A.E.
Aviation Education Resource Center
Bowling Green State University
Aerotechnology Program
Technology Annex
Bowling Green, OH 43403-0307
(419) 372-8926

▶Environmental Protection Agency (EPA)

Center for Environmental Learning

The center coordinates environmental education programs for both the Risk Reduction and the Environmental Monitoring Systems Laboratories. It also sponsors environmental conferences and conventions, the development of curriculum materials, and a variety of programs for students in grades K–12.

Environmental Education Coordinator
Center for Environmental Learning
26 West Martin Luther Avenue
Cincinnati, OH 45268
(513) 569-7212 / Fax: (513) 569-7770

EPA Regional Office

This office takes part in a variety of environmental education programs for both teachers and students. Programs range from teacher workshops and student contests to in-school presentations. Information on environmental issues is also available through the Public Information Center located at the office.

Suzanne Saric, Environmental Education
Coordinator
Environmental Protection Agency
77 West Jackson Boulevard (PI-19J)
Chicago, IL 60604
(312) 353-3209 / Fax: (312) 353-1155

The President's Environmental Youth Awards (PEYA) Program

Young people from each State are invited to participate in PEYA, a nationwide program designed to encourage individuals, school classes, summer camps, public interest groups, and youth organizations to promote environmental awareness and community involvement. The two components of the program are the regional certificate program and the National awards competition. Regional certificates, signed by the President, are awarded to each participant by EPA regional offices. National individual project winners, or one representative from a National award-winning group project, along with one sponsor, are honored at EPA headquarters in Washington, DC. Interested K–12 individuals or groups may obtain application materials and contest rules by contacting the EPA Regional Office that serves their State. PEYA has been an ongoing project since it was created by the White House Office of Education and the EPA in 1971.

EPA Region 5
77 West Jackson Boulevard (PI-19J)
Chicago, IL 60604
(800) 621-8431 / Fax: (312) 353-1155

▶National Aeronautics and Space Administration (NASA)

NASA Educator Resource Center

The center has NASA-related educational materials in various formats, including laserdiscs, CD-ROMs, videotapes, slides, audiotapes, publications, and teacher guides. Educators may preview or copy NASA materials upon request.

NASA Lewis Research Center
Educator Resource Center
21000 Brookpark Road, MS 8-1
Cleveland, OH 44135-3191
(216) 433-2017

NASA Field Centers

Each field center has an educational programs officer who is responsible for precollege education programs. In addition to administering National programs, the center offers programs and services to meet regional and local needs.

Jo Ann Charleston, Acting Chief
Office of Educational Programs
NASA Lewis Research Center
21000 Brookpark Road, Mail Stop 7-4
Cleveland, OH 44135-3191
(216) 433-2957

NASA Regional Educator Resource Center (RERC)

To offer more educators the opportunity to visit the Educator Resource Center Network (ERCN), NASA forms partnerships with planetariums, universities, museums, and other nonprofit organizations to serve as RERCs. Teachers may preview or copy NASA materials upon request.

University of Cincinnati
NASA Regional Educator Resource Center
Curriculum Resources Center
Mail Location 0219
600 Blegen Library
Cincinnati, OH 45221-0219
(513) 556-1430

Space Grant Consortium

The Space Grant Consortium in each State consists of colleges, universities, industry, and other organizations that have an interest in aeronautics and space education. Each consortium receives NASA funds for use in implementing a balanced program of research, education, and public service.

Ohio Space Grant Consortium
Ohio Aerospace Institute
22800 Cedar Point Road
Brook Park, OH 44142
(216) 962-3020

Wisconsin

▶Department of Agriculture (USDA)

4-H State Leader

The State 4-H Youth Development Programs are administered by the Cooperative Extension Service at land-grant universities. State 4-H leaders coordinate outreach services and training to all county offices.

Dr. David Running, State 4-H Program
Leader
University of Wisconsin
610 Langdon Street, 328 Lowell Hall
Madison, WI 53703
(608) 263-1095 / Fax: (608) 262-9166

Ag in the Classroom State Leader

This program promotes increased understanding of agriculture and possible careers in the agricultural sciences. With National leadership provided by USDA, each State manages its own programs, with assistance from agribusiness, educational institutions, and government.

Bob Leege
Wisconsin Farm Bureau
7010 Mineral Point Road
Madison, WI 53705
(608) 836-5575

▶Department of Commerce (DOC)

National Sea Grant College Program, Operation Pathfinder

The program consists of two-week summer courses that present an introduction to oceanographic and coastal processes. Courses are available in six regions and are designed to enhance skills in science teaching.

Al Miller and Jim Lubner
University of Wisconsin
Wisconsin Sea Grant
1800 University Avenue
Madison, WI 53705-4094
(608) 262-0644 / Fax: (608) 263-2063

▶Department of Education (ED)

Eisenhower State Coordinators

Eisenhower State Coordinators administer the Eisenhower Professional Development Program State Formula grants. The program focuses on sustained and intensive high-quality professional development through inservice programs.

Dr. John C. Bell
Eisenhower Professional Development Program
Department of Public Instruction
125 South Webster Street, PO Box 7841
Madison, WI 53707-7841
(608) 267-9270 / Fax: (608) 267-1052

Eisenhower State Coordinators for Higher Education

Eisenhower State Coordinators oversee the Eisenhower Professional Development State Formula Grants for the State Agency for Higher Education (SAHE). The program focuses on teacher enhancement through both inservice and preservice programs.

Dr. Gary Britton
Eisenhower Professional Development Program
University of Wisconsin Center
400 University Drive
West Bend, WI 53095
(414) 335-5227 / Fax: (414) 335-5220

Midwest Consortium for Mathematics and Science Education

The Eisenhower Regional Consortium provides information and technical assistance to help States and school districts improve mathematics and science education.

Dr. Gilbert Valdez, Director
Midwest Consortium for Mathematics and Science Education
1900 Spring Road, Suite 300
Oak Brook, IL 60521
(708) 571-4700 / Fax: (708) 571-4716
WWW: http://www.ncrel.org/msc/msc.htm

North Central Regional Educational Laboratory (NCREL)

NCREL identifies effective teaching techniques and school improvement efforts within the region and shares this information with State and local educators.

Jeri Nowakowski, Executive Director
NCREL
1900 Spring Road, Suite 300
Oak Brook, IL 60521
(708) 571-4700 / Fax: (708) 571-4716
WWW: http://www.ncrel.org/

North Central Regional Technology in Education Consortium (NCRTEC)

ED established the Regional Technology in Education (R*TEC) program in the fall of 1995 to help States, districts, schools, adult literacy centers, and other educational institutions use advanced technology to support improved teaching and student achievement. R*TEC's role in educational technology is unique in two ways: the emphasis is regional and the primary goal is to ensure that technology is used effectively to support school reform. Program strategies include professional development, technical assistance, and information dissemination.

Randy Knuth, Director
NCRTEC
North Central Regional Educational Laboratory
1900 North Spring Road, Suite 300
Oak Brook, IL 60521-1480
(630) 571-4710 / Fax: (630) 218-4989
E-mail: rknuth@ncrel.org
WWW: http://www.ncrtec.org/

Catherine Mozer Conner, R*TEC Program Officer
U.S. Department of Education
Office of Educational Research and Improvement
ORAD/SLSD, Room 506a
555 New Jersey Avenue NW
Washington, DC 20208-5644
(202) 219-8070
E-mail: cconnor@inet.ed.gov

▶Department of the Interior (DOI)

Apostle Islands National Lakeshore

Apostle Island School is a joint venture with the park, Northland College, and the Sigurd Olson Environmental Institute. It provides environmental education for fourth, fifth, and sixth grade children in northern Wisconsin. The program includes pre-visit classroom instruction and either a day trip or a three-day overnight experience in the park, led by rangers and environmental education students from Northland College. Some 600 children, 25 teachers, and 16 student teachers are involved with the program.

Kayci Cook, Chief of Interpretation
Apostle Islands National Lakeshore
Route 1 Box 4
Bayfield, WI 54814
(715) 779-3397

Bureau of Land Management Eastern States Office

The office provides information about educational programs, materials, and local land-management issues.

Education Coordinator
Bureau of Land Management
7450 Boston Boulevard
Springfield, VA 22153
(703) 440-1713

Project WILD

Project WILD offers teacher training and educational materials. Teacher guides, free to teachers who attend the training session, contain more than 80 supplementary, interdisciplinary activities for grades K–12.

Valeri Humphrey, Project WILD Coordinator
Wisconsin Department of Natural Resources
Box 7921
Madison, WI 53707
(608) 266-0870 / Fax: (608) 264-6293

St. Croix National Scenic Riverway

Rivers Are Alive is a two-part program. Part I, "Web of Life," presented at the school, introduces habitats and interdependence. Part II, "Let's Go Mucking," is a hands-on introduction to plants and animals in and near the river. The students wade into the river with small nets and catch, examine, and release aquatic life. Group discussion of biodiversity, water quality, and waterway protection follows.

Terrence O'Halloran, Nameicagon District Interpreter
St. Croix National Scenic Riverway
Box 100
Trego, WI 54888
(715) 635-8346 / Fax: (715) 635-8823

▶ Department of Labor (DOL)

Job Training Partnership Act (JTPA) Liaison

The JTPA Liaison can provide information about the Job Training Partnership Act State and local programs for economically disadvantaged adults and youth.

June Suhling, Administrator
Division of Employment and Training Policy (DETP)
Wisconsin Department of Industry, Labor, and Human Relations
201 East Washington Avenue
Madison, WI 53707
(608) 266-2439 / Fax: (608) 267-2392

▶ Department of Transportation (DOT)

Federal Aviation Administration (FAA) Aviation Education

The FAA Aviation Education Representative coordinates aviation education services, including materials and programs for the FAA in the States assigned to the region.

Programs include the following:

- **The Aviation Career Education (ACE) Academy** is a one-week summer aviation education program for high school students sponsored by the FAA along with a host educational institution. The program provides students with diverse experiences in aviation career exploration. The focus is on aviation career clusters identified by FAA, with an emphasis on opportunities for women and minorities. A goal is to have one program in each State and U.S. Territory. The FAA will conduct regional leadership workshops and provide funds based on the availability of resources.
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- **National Congress on Aviation and Space Education** is sponsored annually by the FAA in partnership with the National Aeronautics and Space Administration and the Civil Air Patrol. The meeting includes teacher workshops and crosstalk sessions to exchange ideas on promoting aerospace education.

Lee Carlson, AGL-11, FAA Aviation Education Representative
O'Hare Lake Officer Center
2300 East Devon Avenue
Des Plaines, IL 60018
(708) 294-7042 / Fax: (708) 294-7368

FAA Aviation Education Resource Centers

Located at colleges, museums, and State aviation authority offices, these centers function as information distribution centers for Federal Aviation Administration education materials and resources. The Resource Centers maintain and provide quantities of printed materials, videotapes, and computer educational software. Center personnel can also provide general information, conduct workshops, and make aviation-related presentations.

Chuck Larsen
EAA Aviation Center
Aviation Education Resource Center
Experimental Aircraft Association
3000 Poberezny Road
Oshkosh, WI 54903-3065
(414) 426-4800

Michael J. Wallschlaeger, Chairman
Aviation Education Resource Center
University of Wisconsin at Superior
Division of Education
1800 Grand Avenue
Superior, WI 54880-2898
(715) 394-8309

Duane Esse
Aviation Education Resource Center
DOT Bureau of Aeronautics
PO Box 7914, 4802 Sheboygan Avenue
Madison, WI 53707-7914
(608) 266-3351

▶ Environmental Protection Agency (EPA)

EPA Regional Office

This office takes part in a variety of environmental education programs for both teachers and students. Programs range from teacher workshops and student contests to in-school presentations. Information on environmental issues is also available through the Public Information Center located at the office.

Suzanne Saric, Environmental Education Coordinator
Environmental Protection Agency
77 West Jackson Boulevard (PI-19J)
Chicago, IL 60604
(312) 353-3209 / Fax: (312) 353-1155

The President's Environmental Youth Awards (PEYA) Program

Young people from each State are invited to participate in PEYA, a nationwide program designed to encourage individuals, school classes, summer camps, public interest groups, and youth organizations to promote environmental awareness and community involvement. The two components of the program are the regional certificate program and the National awards competition. Regional certificates, signed by the President, are awarded to each participant by EPA regional offices. National individual project winners, or one representative from a National award winning group project, along with one sponsor, are honored at EPA headquarters in Washington, DC. Interested K–12 individuals or groups may obtain application materials and contest rules by contacting the EPA Regional Office that serves their State. PEYA has been an ongoing project since it was created by the White House Office of Education and the EPA in 1971.

EPA Region 5
77 West Jackson Boulevard (PI-19J)
Chicago, IL 60604
(800) 621-8431 / Fax: (312) 353-1155

▶ National Aeronautics and Space Administration (NASA)

NASA Educator Resource Center

The center has NASA-related educational materials in various formats, including laserdiscs, CD-ROMs, videotapes, slides, audiotapes, publications, and teacher guides. Educators may preview or copy NASA materials upon request.

Wisconsin

NASA Lewis Research Center
Educator Resource Center
21000 Brookpark Road, MS 8-1
Cleveland, OH 44135-3191
(216) 433-2017

NASA Field Centers

Each field center has an educational programs officer who is responsible for precollege education programs. In addition to administering National programs, the center offers programs and services to meet regional and local needs.

Jo Ann Charleston, Acting Chief
Office of Educational Programs
NASA Lewis Research Center
21000 Brookpark Road, MS 7-4
Cleveland, OH 44135-3191
(216) 433-2957

NASA Regional Educator Resource Center (RERC)

To offer more educators the opportunity to visit the Educator Resource Center Network (ERCN), NASA forms partnerships with planetariums, universities, museums, and other nonprofit organizations to serve as RERCs. Teachers may preview or copy NASA materials upon request.

University of Wisconsin at LaCrosse
NASA Regional Educator Resource Center
Murphy Library
LaCrosse, WI 54601
(608) 785-8148/8650

Space Grant Consortium

The Space Grant Consortium in each State consists of colleges, universities, industry, and other organizations that have an interest in aeronautics and space education. Each consortium receives NASA funds for use in implementing a balanced program of research, education, and public service.

Wisconsin Space Grant Consortium
University of Wisconsin at Milwaukee
333 Architecture and Urban Planning
Building
2131 East Hartford Avenue
Milwaukee, WI 53201-0413
(414) 229-3878

- **Connecticut**
- **Maine**
- **Massachusetts**
- **New Hampshire**
- **New York**
- **Puerto Rico**
- **Rhode Island**
- **Vermont**
- **Virgin Islands**

Northeast and Islands Region

Eisenhower Regional Alliance for Mathematics and Science Education Reform

Eisenhower Regional Alliance for Mathematics and Science Education Reform

The Eisenhower Regional Alliance for Mathematics and Science Education Reform is one of 10 Eisenhower Mathematics and Science Consortia established by the U.S. Department of Education. The National Network of Eisenhower Regional Consortia and the Eisenhower National Clearinghouse for Mathematics and Science Education form a coordinated, field-based National infrastructure to promote systemic educational reform. The Alliance is managed by the Technical Education Research Centers (TERC), a nonprofit education research and development organization based in Cambridge, Massachusetts and dedicated to improving mathematics and science learning.

The Alliance's goal is to provide professional development, technical assistance, information dissemination, and other services to strengthen the efforts of State and local mathematics and science education reform leaders. Three principles guide the work of the Alliance:

- The Alliance should make it easier for educators to collaborate regionally in addressing significant mathematics, science and technology (MST) reform issues.
- Clients of the Alliance should be involved in the process of setting priorities for Alliance services.
- Alliance services should be directed toward helping local educators access the necessary resources to meet their reform needs.

These principles have led to the formation of four collaborative structures: Statewide Action Teams, Regional Networks, Alliance Schools, and Electronic Services.

Statewide Action Teams

Each State or Island has a team of MST reform leaders who work with the Alliance to identify local and State priorities for MST reform services and activities. Team members are drawn from within the State or Island and include K–12 educators, higher education faculty, Statewide Systemic Initiative (SSI) leaders, State Eisenhower coordinators, State mathematics and science supervisors, science center directors, and teacher association leaders. The teams support their local Alliance Schools; disseminate valuable information to the K–16 MST community; encourage participation in Alliance-sponsored institutes, pilots, and other initiatives; and foster increased statewide collaboration among diverse MST reform efforts. An 18-member Advisory Board, consisting of two representatives per State team, establishes regional priorities for resource allocation, ensures coordination across the region, and advises the Alliance staff.

Regional Networks

To promote region-wide collaboration, the Alliance has four regional reform networks of local and State educators. These networks address key aspects of MST reform: equity, K–16 collaboration, curriculum/instruction/assessment, and public engagement. Each network has a dual mission: (1) to extend expertise related to the given network's topic as widely as possible across the region, and (2) to make this expertise easily, affordably, and equitably accessible, especially to teachers and their students. Network services include an open e-mail listserv, professional development institutes, sustained technical assistance, pilot projects, Web-based information, and newsletters. Network membership is free and open to anyone interested. Each network is led by a steering committee that is responsible for setting priorities for Alliance initiatives across the region, developing services for Alliance Schools and network members, expanding network membership, and disseminating network-related information and resources.

The focus of the Curriculum/Instruction/Assessment Network has been to support the implementation of State frameworks and standards-based curriculum, and to provide leadership training to State and local educators. The Equity Network will hold a regional institute to train a cadre of trainers who will assist school districts across the region to develop strong, data driven, local evaluation systems to inform their decision-making. The K–16 Network has provided extensive support for the development of State-based K–16 networks and cross-State collaboration on K–16 reform. The Public Engagement Network has brought representatives from many of the States together to share strategies, materials, and information about efforts to communicate with and engage the public more closely in math and science reform. In addition, the Alliance is working with the National Network of Eisenhower Regional Consortia on the development of a searchable National database of Informal Science Centers and has established a new Informal Education Network to enable museum and other informal science educators to share their work across the region.

Alliance Schools

The Alliance has launched a regionwide "Alliance Schools" initiative, a network of K–12 schools committed to systemic reform efforts and sustained partnerships with State and local leaders in MST education. In the first phase, 37 schools were selected by the Regional Alliance's State teams. Alliance Schools represent a cross-section of grade levels, demographics, and experience with MST reform; however, schools enrolling substantial numbers of underserved populations represent a majority of the school sites. Alliance School Partners include representatives of the region's State Systemic Initiatives (SSIs), leaders of the major State MST organizations, professional development specialists, museum and science center educators, and faculty from colleges and universities. The goals of the partnerships are to build capacity in each school to support comprehensive MST reform and to develop a model for replicating and expanding the number of partnerships across the region.

Each Alliance School has a local plan for MST reform, and the Regional Alliance supports an array of professional development and technical assistance opportunities based on the local plans and common issues and concerns across the schools. Schools that did not have e-mail and Internet access received a school account. The Alliance uses its electronic networks to connect the schools to each other, their State partners, the Alliance staff, and the wider educational community. Each school has been provided with a World Wide Web site where faculty and students can publish information and share ideas about curriculum and programs. During the summer, the Alliance hosts an Alliance

Schools Institute, where school teams and their State partners meet for three days to further develop their professional community, their local MST plans, and their technical skills.

Electronic Services

The Alliance information, communication, and dissemination efforts are supported by The Hub, its electronic network http://www.ra.terc.edu. The Hub provides Web access to a wide range of resources and services, including listservs and discussion groups; statewide action team and regional network information; Alliance Schools Web sites; and an extensive collection of online resources, MST documents, and links to valuable MST Web sites.

The Alliance also publishes two newsletters. *Alliance Access* provides information about key issues in MST reform, Alliance activities, and resources in math, science and technology. *MST Under Construction* is the newsletter for the Alliance Schools Network. These newsletters are free to interested educators and also can be found on The Hub.

In the fall of 1997, the Alliance will publish a *Systemic Reform Handbook* that will support local educators as they plan their MST reform efforts. The *Handbook* will provide vignettes of effective strategies regarding issues in MST reform, describe how educators can link with others in the region who are undertaking these reforms, and point readers to excellent information and resources available elsewhere in print and via Internet.

Mark Kaufman,
Director

Dr. Robert McLaughlin,
Co-Director

Jeanne Harmon,
Alliance Schools Coordinator

Eisenhower Regional Alliance for
Mathematics and Science Education
Reform
TERC
2067 Massachusetts Avenue
Cambridge, MA 02140
(617) 547-0430 / Fax (617) 349-3535
E-mail: mark_kaufman@terc.edu
bob_mclaughlin@terc.edu
jeanne_harmon@terc.edu
WWW: http://www.ra.terc.edu

Connecticut

▶Department of Agriculture (USDA)

4-H State Leader

The State 4-H Youth Development Programs are administered by the Cooperative Extension Service at land-grant universities. State 4-H leaders coordinate outreach services and training to all county offices.

Nancy L. Wilhelm, Program Coordinator, 4-H
University of Connecticut
1376 Storrs Road, Box U-36
Storrs, CT 06269-4036
(860) 486-4127 / Fax: (860) 486-4128
E-mail: nwilhelm@cnr1.cag.uconn.edu

Ag in the Classroom State Leader

This program promotes increased understanding of agriculture and possible careers in the agricultural sciences. With National leadership provided by USDA, each State manages its own programs, with assistance from agribusiness, educational institutions, and government.

Bernadet Kayan
510 Pigeon Hill Road
Windsor, CT 06095
(203) 683-1922

Dr. Alfred Mannebach
University of Connecticut
249 Glenbrook Road
Storrs, CT 06269-2093
(203) 486-0246

▶Department of Commerce (DOC)

National Sea Grant College Program, Operation Pathfinder

The program consists of two-week summer courses that present an introduction to oceanographic and coastal processes. Courses are available in six regions and are designed to enhance skills in science teaching.

Sharon Meeker
New Hampshire Maine Sea Grant
Kingman Farm
University of New Hampshire
Durham, NH 03824-3512
(603) 749-1565 / Fax: (603) 743-3997

▶Department of Defense (DoD)

Nautilus Memorial/Submarine Force Library and Museum

This facility displays the evolution of submarine development from the Revolutionary War to modern submarine class. Visitors can tour *Nautilus*, the world's first nuclear powered submarine. Reservations are requested for groups of 20 or more. Admission and parking are free.

Submarine Force Museum
Submarine Base New London
Groton, CT 06349-5571
(860) 449-3558 / (800) 343-0079

Naval Submarine Base, New London

The base participates in the Navy Community Service Program through formation of partnerships with schools and other youth organizations throughout Connecticut, Maine, Massachusetts, New Hampshire, New Jersey Rhode Island, and Vermont.

COMSUBGRU TWO
Commander, Submarine Group Two
Naval Submarine Base, New London
Box 100
Groton, CT 06349-5100
(860) 449-2232

▶Department of Education (ED)

The Eisenhower Regional Alliance for Mathematics and Science Education Reform

The Eisenhower Regional Consortium provides information and technical assistance to help States and school districts improve mathematics and science education.

Mark Kaufman and Bob McLaughlin,
Co-Directors
Eisenhower Regional Alliance for
Mathematics and Science Education Reform
TERC
2067 Massachusetts Avenue
Cambridge, MA 02140
(617) 547-0430 / Fax: (617) 349-3535
WWW: http://www.ra.terc.edu

Eisenhower State Coordinators

Eisenhower State Coordinators administer the Eisenhower Professional Development Program State Formula grants. The program focuses on sustained and intensive high-quality professional development through inservice programs.

James Dargati
Eisenhower Professional Development Program
Connecticut Department of Education
PO Box 2219
Hartford, CT 06145
(203) 566-6619 / Fax: (203) 566-5623

Eisenhower State Coordinators for Higher Education

Eisenhower State Coordinators oversee the Eisenhower Professional Development State Formula Grants for the State Agency for Higher Education (SAHE). The program focuses on teacher enhancement through both inservice and preservice programs.

Connie Fraser, Director
Legislative Services
Eisenhower Professional Development Program
Connecticut Department of Higher Education
61 Woodland Street
Hartford, CT 06105
(203) 566-3640 / Fax: (203) 566-7865

Northeast Regional Technology in Education Consortium (NetTech)

ED established the Regional Technology in Education Consortia (R*TEC) program in the fall of 1995 to help States, districts, schools, adult literacy centers, and other educational institutions use advanced technology to support improved teaching and student achievement. R*TEC's role in educational technology is unique in two ways: the emphasis is regional and the primary goal is to ensure that technology is used effectively to support school reform. Program strategies include professional development, technical assistance, and information dissemination.

Bonnie Brownstein and Michael Ribaudo, Co-Directors
NetTech
City University of New York
555 West 57th Street
New York, NY 10019
(212) 541-0972 / Fax: (212) 541-0357
E-mail: blbbh@cunyvm.cuny.edu
WWW: http://www.nettech.org/

Kathy Fuller, R*TEC Project Officer
U.S. Department of Education
Office of Educational Research and Improvement
ORAD/SLSD, Room 506c
555 New Jersey Avenue NW
Washington, DC 20208-5644
(202) 219-2281
E-mail: Kathy_Fuller@ed.gov

Northeast and Islands Regional Educational Laboratory at Brown University (LAB)

LAB identifies effective teaching techniques and school improvement efforts within the region and shares this information with State and local educators.

Dr. Phil Zarlengo, Executive Director
222 Richmond Street, Suite 300
Providence, RI 02903-4226
(800) 521-9550
(401) 274-9548 / Fax (401) 421-7650
WWW: http://www.vlab.brown.edu/

▶ Department of the Interior (DOI)

Bureau of Land Management Eastern States Office

This office provides information about educational programs, materials, and local land-management issues.

Education Coordinator
Bureau of Land Management
7450 Boston Boulevard
Springfield, VA 22153
(703) 440-1713

Minerals Management Service (MMS) Regional Office

The MMS Regional Office provides a range of educational services. Teacher inservice programs and classroom visitations may include supplemental materials. Availability may be limited, but arrangements may be made for duplication of some materials at minimal cost.

Office of Communications & Governmental Affairs
Education Coordinator
Minerals Management Service
1849 C Street, NW; LMS4230
Washington, DC 20240-0001
(202) 208-3985 / Fax: (202) 208-3968

Offshore Minerals Management Technical Communications Service
Minerals Management Service
381 Eldon Street, MS 4530
Herndon, VA 20170-4817
(703) 787-1080 / Fax: (703) 787-1186

Project WILD

Project WILD offers teacher training and educational materials. Teacher guides, free to teachers who attend the training session, contain more than 80 supplementary, interdisciplinary activities for grades K–12.

Diane A. Chisnall-Joy
Environmental Curriculum Coordinator
Department of Environmental Protection
79 Elm Street
Hartford, CT 06106
(203) 424-3599 / Fax: (203) 566-7292

▶ Department of Labor (DOL)

Job Training Partnership Act (JTPA) Liaison

The JTPA Liaison can provide information about the Job Training Partnership Act State and local programs for economically disadvantaged adults and youth.

John E. Saunders, Deputy Commissioner
Connecticut State Department of Labor
200 Folly Brook Boulevard
Wethersfield, CT 06109
(203) 566-4280 / Fax: (203) 566-1520

▶ Department of Transportation (DOT)

Federal Aviation Administration (FAA) Aviation Education

The FAA Aviation Education Representative coordinates aviation education services, including materials and programs for the FAA in the States assigned to the region.

Programs include the following:

- **The Aviation Career Education (ACE) Academy** is a one-week summer aviation education program for high school students sponsored by the FAA along with a host educational institution. The program provides students with diverse experiences in aviation career exploration. The focus is on aviation career clusters identified by FAA, with an emphasis on opportunities for women and minorities. A goal is to have one program in each State and U.S. Territory. The FAA will conduct regional leadership workshops and provide funds based on the availability of resources.
- **Aviation Education Workshops for Teachers** provide teachers with information on FAA aviation programs and materials and prepare them to teach aviation in the classroom. Annual workshops are conducted at colleges and universities across the Nation. The FAA provides information, materials, and speakers for the program.
- **National Congress on Aviation and Space Education** is sponsored annually by the

FAA in partnership with the National Aeronautics and Space Administration and the Civil Air Patrol. The meeting includes teacher workshops and crosstalk sessions to exchange ideas on promoting aerospace education.

Robert Stepanek, Education Director
Aviation Education Resource Center
Connecticut DOT Bureau of Aviation and Ports
New England Air Museum
Bradley International Airport
Winsor, CT 06096
(203) 623-3305

Vivian Manzione, Assistant Director
Platt/Sikorsky School for Aviation
Great Meadow Road
Stratford, CT 06497
(203) 381-9250

▶ Environmental Protection Agency (EPA)

EPA Regional Office

This office takes part in a variety of environmental education programs for both teachers and students. Programs range from teacher workshops and student contests to in-school presentations. Information on environmental issues is also available through the Public Information Center located at the office.

Maria Pirie, Environmental Education Coordinator
Environmental Protection Agency
JFK Federal Building (RPM)
Boston, MA 02203
(617) 565-9447 / Fax: (617) 565-3415

The President's Environmental Youth Awards (PEYA) Program

Young people from each State are invited to participate in PEYA, a nationwide program designed to encourage individuals, school classes, summer camps, public interest groups, and youth organizations to promote environmental awareness and community involvement. The two components of the program are the regional certificate program and the National awards competition. Regional certificates, signed by the President, are awarded to each participant by EPA regional offices. National individual project winners, or one representative from a National award-winning group project, along with one sponsor, are honored at EPA headquarters in Washington, D.C. Interested K–12 individuals or groups may obtain application materials and contest rules by contacting the EPA Regional Office that serves their State. PEYA has been an ongoing project since it was created by the White House Office of Education and the EPA in 1971.

EPA Region 1
JFK Federal Building
Boston, MA 02203
(617) 565-9447 / Fax: (617) 565-3415

▶ National Aeronautics and Space Administration (NASA)

NASA Educator Resource Center

The center has NASA-related educational materials in various formats, including laserdiscs, CD-ROMs, videotapes, slides, audiotapes, publications, and teacher guides. Educators may preview or copy NASA materials upon request.

Educator Resource Laboratory
NASA Goddard Space Flight Center
Mail Code 130.3
Greenbelt, MD 20771-0001
(301) 286-8570

NASA Field Centers

Each field center has an educational programs officer who is responsible for precollege education programs. In addition to administering National programs, the center offers programs and services to meet regional and local needs.

Education Programs
NASA Goddard Space Flight Center
Mail Code 130
Greenbelt, MD 20771-0001
(301) 286-7206

Space Grant Consortium

The Space Grant Consortium in each State consists of colleges, universities, industry, and other organizations that have an interest in aeronautics and space education. Each consortium receives NASA funds for use in implementing a balanced program of research, education, and public service.

Connecticut Space Grant Consortium
University of Hartford
200 Bloomfield Avenue
West Hartford, CT 06117
(203) 768-4849

▶ National Science Foundation (NSF)

Statewide Systemic Initiatives (SSI) Program

Connecticut's SSI Program includes the Connecticut Academy for Education in Mathematics, Science, and Technology; curriculum revisions; collaboration among teacher education programs and science centers; public science literacy projects; and projects designed to involve businesses with school districts.

Richard Cole, Director
Connecticut Academy
178 Cross Street
Middletown, CT 06457
(203) 346-1177 / Fax: (203) 346-2157

Maine

▶ Department of Agriculture (USDA)

4-H State Leader

The State 4-H Youth Development Programs are administered by the Cooperative Extension Service at land-grant universities. State 4-H leaders coordinate outreach services and training to all county offices.

John Rebar, Program Administrator, 4-H
5741 Libby Hall, Room 103
University of Maine CES
Orono, ME 04469-5741
(207) 581-3188 / Fax: (207) 581-1387
E-mail: jrebar@umce.umext.maine.edu

Ag in the Classroom State Leader

This program promotes increased understanding of agriculture and possible careers in the agricultural sciences. With National leadership provided by USDA, each State manages its own programs, with assistance from agribusiness, educational institutions, and government.

Buzz Gamble
Department of Education
Station #23
Augusta, ME 04222-0433
(207) 287-5899

▶ Department of Commerce (DOC)

National Sea Grant College Program, Operation Pathfinder

The program consists of two-week summer courses that present an introduction to oceanographic and coastal processes. Courses are available in six regions and are designed to enhance skills in science teaching.

Sharon Meeker
New Hampshire-Maine Sea Grant
Kingman Farm
University of New Hampshire
Durham, NH 03824-3512
(603) 749-1565 / Fax: (603) 743-3997

Wells National Estuarine Research Reserve

The reserve has an onsite program for fourth grade students, as well as a Junior Research summer program. Estuarine ecology curriculum materials for grades K–8 are also available. Reservations are required.

Henrietta List, Education Coordinator
Wells National Estuarine Research Reserve
342 Laudhom Road
Wells, ME 04090
(207) 646-1555 / Fax: (207) 646-2930

▶ Department of Defense (DoD)

Naval Air Station, Brunswick

The station participates in the Navy Community Service Program through formation of partnerships with schools and other youth organizations in the area.

NAS Brunswick
Commanding Officer
AIMD Box 1
Brunswick, ME 04011-5001
(207) 921-2493

▶ Department of Education (ED)

The Eisenhower Regional Alliance for Mathematics and Science Education Reform

The Eisenhower Regional Consortium provides information and technical assistance to help States and school districts improve mathematics and science education.

Mark Kaufman and Bob McLaughlin,
Co-Directors
Eisenhower Regional Alliance for
Mathematics and Science Education Reform
TERC
2067 Massachusetts Avenue
Cambridge, MA 02140
(617) 547-0430 / Fax: (617) 349-3535
WWW: http://www.ra.terc.edu

Eisenhower State Coordinators

Eisenhower State Coordinators administer the Eisenhower Professional Development Program State Formula grants. The program focuses on sustained and intensive high-quality professional development through inservice programs.

Thomas Keller
Eisenhower Professional Development
Program
Maine Department of Education
State House Station #23
Augusta, ME 04333
(207) 287-5925 / Fax: (207) 287-5927

Eisenhower State Coordinators for Higher Education

Eisenhower State Coordinators oversee the Eisenhower Professional Development State Formula Grants for the State Agency for Higher Education (SAHE). The program focuses on teacher enhancement through both inservice and preservice programs.

Jacqueline P. Mitchell
Eisenhower Professional Development
Program
State Agency for Higher Education
Maine Department of Education
State House Station #23
Augusta, ME 04333
(207) 289-5937 / Fax: (207) 287-5927

Northeast Regional Technology in Education Consortium (NetTech)

ED established the Regional Technology in Education Consortia (R*TEC) program in the fall of 1995 to help States, districts, schools, adult literacy centers, and other educational institutions use advanced technology to support improved teaching and student achievement. R*TEC's role in educational technology is unique in two ways: the emphasis is regional and the primary goal is to ensure that technology is used effectively to support school reform. Program strategies include professional development, technical assistance, and information dissemination.

Bonnie Brownstein and Michael Ribaudo,
Co-Directors
NetTech
City University of New York
555 West 57th Street
New York, NY 10019
(212) 541-0972 / Fax: (212) 541-0357
E-mail: blbbh@cunyvm.cuny.edu
WWW: http://www.nettech.org/

Kathy Fuller, R*TEC Project Officer
U.S. Department of Education
Office of Educational Research and
Improvement
ORAD/SLSD, Room 506c
555 New Jersey Avenue NW
Washington, DC 20208-5644
(202) 219-2281
E-mail: Kathy_Fuller@ed.gov

Northeast and Islands Regional Educational Laboratory at Brown University (LAB)

LAB identifies effective teaching techniques and school improvement efforts within the region and shares this information with State and local educators.

Dr. Phil Zarlengo, Executive Director
222 Richmond Street, Suite 300
Providence, RI 02903-4226
(800) 521-9550
(401) 274-9548 / Fax (401) 421-7650
WWW: http://www.vlab.brown.edu/

▶ Department of the Interior (DOI)

Acadia National Park

The park offers guided tours and nature walks, in addition to other selected environmental education activities.

Office of Interpretation
Acadia National Park
PO Box 177
Bar Harbor, ME 04609
(207) 288-5456

Bureau of Land Management Eastern States Office

This office provides information about educational programs, materials, and local land-management issues.

Education Coordinator
Bureau of Land Management
7450 Boston Boulevard
Springfield, VA 22153
(703) 440-3713

BEST COPY AVAILABLE

Craig Brook National Fish Hatchery

The hatchery offers the program The Atlantic Salmon—Its Natural History and the USFWS Restoration Efforts in Maine.

Edward Peter Steenstra, Outdoor
Recreational Planner
Craig Brook NFH
Hatchery Road
East Orland, ME 04431
(207) 469-7300 / Fax: (207) 469-6847

Gulf of Maine Project

The Wild Gulf provides teachers with tools to bring the Gulf of Maine into the classroom and help students develop a watershed-wide perspective about living resources. The Wild Gulf poster series and workbook provide basic information about the Gulf and suggest ideas for using the four posters. *The Almanac* is an annotated catalog covering an array of environmental subjects and providing a description of educational materials, facilities, and resources currently available to teachers and individuals.

Lois Winter, Outreach Specialist
Gulf of Maine Project
4R Fundy Road
Falmouth, ME 04105
(207) 781-8364 / Fax: (207) 781-8369
E-mail: r5es_gomp@mail.fws.gov

Minerals Management Service (MMS) Regional Office

The MMS Regional Office provides a range of educational services. Teacher inservice programs and classroom visitations may include supplemental materials. Availability may be limited, but arrangements may be made for duplication of some materials at minimal cost.

Offshore Minerals Management Technical
Communications Service
Minerals Management Service
381 Eldon Street, MS 4530
Herndon, VA 20170-4817
(703) 787-1080 / Fax: (703) 787-1186

Office of Communications & Governmental
Affairs
Education Coordinator
Minerals Management Service
1849 C Street NW; LMS4230
Washington, DC 20240-0001
(202) 208-3985 / Fax: (202) 208-3968

Moosehorn National Wildlife Preserve

Programs at the preserve include guided nature tours and in-class presentations. Curriculum materials are available upon request.

Public Use Specialist
Moosehorn National Wildlife Preserve
PO Box 1077
Calsis, ME 04619
(207) 454-3521 / Fax: (207) 454-2550

Project WILD

Project WILD offers teacher training and educational materials. Teacher guides, free to teachers who attend the training session, contain more than 80 supplementary, interdisciplinary activities for grades K–12.

Lisa Kane, Project WILD Coordinator
Maine Department of Inland Fisheries
284 State Street
Augusta, ME 04333
(207) 289-3303 / Fax: (207) 287-6395

Rachel Carson National Wildlife Refuge

Outdoor Environmental Education is a residential program. The basic curriculum is made up of forest, freshwater, astronomy, bioscope, marine bioscope, ocean, and coastal zone management. Several optional outdoor classes all include field exercises.

Graham W. Taylor, Refuge Operations
Specialist
Rachel Carson NWR
RR2, Box 751
Wells, ME 04090
(207) 646-9226 / Fax: (207) 646-6554
E-mail: r5rw_rcnwr@mail.fws.gov

▶Department of Labor (DOL)

Job Training Partnership Act (JTPA) Liaison

The JTPA Liaison can provide information about the Job Training Partnership Act State and local programs for economically disadvantaged adults and youth.

Charles A. Morrison, Commissioner
Maine Department of Labor
20 Union Street, PO Box 309
Augusta, ME 04330
(207) 289-3788 / Fax: (207) 289-5292

▶Department of Transportation (DOT)

Federal Aviation Administration (FAA) Aviation Education

The FAA Aviation Education Representative coordinates aviation education services, including materials and programs for the FAA in the States assigned to the region.

Programs include the following:

- **The Aviation Career Education (ACE) Academy** is a one-week summer aviation education program for high school students sponsored by the FAA along with a host educational institution. The program provides students with diverse experiences in aviation career exploration. The focus is on aviation career clusters identified by FAA, with an emphasis on opportunities for women and minorities. A goal is to have one program in each State and U.S. Territory. The FAA will conduct regional leadership workshops and provide funds based on the availability of resources.
- **Aviation Education Workshops for Teachers** provide teachers with information on FAA aviation programs and materials and prepare them to teach aviation in the classroom. Annual workshops are conducted at colleges and universities across the Nation. The FAA provides information, materials, and speakers for the program.
- **National Congress on Aviation and Space Education** is sponsored annually by the FAA in partnership with the National Aeronautics and Space Administration and the Civil Air Patrol. The meeting includes teacher workshops and crosstalk sessions to exchange ideas on promoting aerospace education.

Sheila Bauer, ANE-45, FAA Aviation
Education Representative
12 New England Executive Park
Burlington, MA 01803
(617) 238-7378 / Fax: (617) 238-7007

FAA Aviation Education Resource Centers

Located at colleges, museums, and State aviation authority offices, these centers function as information distribution centers for Federal Aviation Administration education materials and resources. The Resource Centers maintain and provide quantities of printed materials, videotapes, and computer educational software. Center personnel can also provide general information, conduct workshops, and make aviation-related presentations.

Sue Doner
Aviation Education Resource Center
Kennebec Valley Technical College
92 Western Avenue
Fairfield, ME 04937-0020
(207) 453-9762

Sara Jane Poli
Aviation Education Resource Center
Biddeford School Department
Maplewood Avenue
Biddeford, ME 04005
(207) 282-8280

Mark Sanborn, Assistant Director
Aviation Education Resource Center
Penobscot Nation Tribal Administration
Vocational Training and Education
6 River Road, Community Building
Indian Island, ME 04468
(207) 827-7776

Timothy D. Crowley, Dean of Students
Aviation Education Resource Center
Northern Maine Technical Center
33 Edgemont Drive
Presque Isle, ME 04769
(207) 769-2461

▶Environmental Protection Agency (EPA)

EPA Regional Office

This office takes part in a variety of environmental education programs for both teachers and students. Programs range from teacher workshops and student contests to in-school presentations. Information on environmental issues is also available through the Public Information Center located at the office.

Maria Pirie, Environmental Education Coordinator
Environmental Protection Agency
JFK Federal Building (RPM)
Boston, MA 02203
(617) 565-9447 / Fax: (617) 565-3415

The President's Environmental Youth Awards (PEYA) Program

Young people from each State are invited to participate in PEYA, a nationwide program designed to encourage individuals, school classes, summer camps, public interest groups, and youth organizations to promote environmental awareness and community involvement. The two components of the program are the regional certificate program and the National awards competition. Regional certificates, signed by the President, are awarded to each participant by EPA regional offices. National individual project winners, or one representative from a National award-winning group project, along with one sponsor, are honored at EPA headquarters in Washington, DC. Interested K–12 individuals or groups may obtain application materials and contest rules by contacting the EPA Regional Office that serves their State. PEYA has been an ongoing project since it was created by the White House Office of Education and the EPA in 1971.

EPA Region 1
JFK Federal Building
Boston, MA 02203
(617) 565-9447 / Fax: (617) 565-3415

▶National Aeronautics and Space Administration (NASA)

NASA Educator Resource Center

The center has NASA-related educational materials in various formats, including laserdiscs, CD-ROMs, videotapes, slides, audiotapes, publications, and teacher guides. Educators may preview or copy NASA materials upon request.

Educator Resource Laboratory
NASA Goddard Space Flight Center
Mail Code 130.3
Greenbelt, MD 20771-0001
(301) 286-8570

NASA Field Centers

Each field center has an educational programs officer who is responsible for precollege education programs. In addition to administering National programs, the center offers programs and services to meet regional and local needs.

Education Programs
NASA Goddard Space Flight Center
Mail Code 130
Greenbelt, MD 20771-0001
(301) 286-7206

Space Grant Consortium

The Space Grant Consortium in each State consists of colleges, universities, industry, and other organizations that have an interest in aeronautics and space education. Each consortium receives NASA funds for use in implementing a balanced program of research, education, and public service.

Maine Space Grant Consortium
Maine Science and Technology Commission
87 Winthrop Street
Augusta, ME 04330
(207) 621-6350

▶National Science Foundation (NSF)

Statewide Systemic Initiatives (SSI) Program

The primary focus of Maine's SSI Program is on curriculum changes, teacher preparation and enhancement, the alignment of curriculum with assessment, and the establishment of "beacon" lab schools to test new curriculum and teaching methods. In addition, "beacon colleges" will reform teacher preparation. This initiative also includes community awareness programs, progressive institutes and workshops for teachers, and the increased use of technology.

Jacqueline P. Mitchell
Maine Department of Education
Augusta, ME 04333-5359
(207) 287-5937 / Fax: (207) 287-5927
E-mail: jmitchell@ssi.edc.org

Director
Maine Mathematics and Science Alliance
Maine Department of Education
Augusta, ME 04332-5359
(207) 287-5881 / Fax: (207) 287-5885

Massachusetts

▶Department of Agriculture (USDA)

4-H State Leader

The State 4-H Youth Development Programs are administered by the Cooperative Extension Service at land-grant universities. State 4-H leaders coordinate outreach services and training to all county offices.

Thomas M. Waskiewicz, 4-H Program Coordinator
Youth Development
University of Massachusetts
214 Stockbridge Hall
Amherst, MA 01003
(413) 545-2646 / Fax: (413) 545-1002
E-mail: thomasw@umext.umass.edu

Ag in the Classroom State Leader

This program promotes increased understanding of agriculture and possible careers in the agricultural sciences. With National leadership provided by USDA, each State manages its own programs, with assistance from agribusiness, educational institutions, and government.

Deborah C. Hogan
c/o PO Box 1171
Lakeville, MA 02347
(508) 336-4426

▶Department of Commerce (DOC)

National Sea Grant College Program, Operation Pathfinder

The program consists of two-week summer courses that present an introduction to oceanographic and coastal processes. Courses are available in six regions and are designed to enhance skills in science teaching.

Sharon Meeker
New Hampshire-Maine Sea Grant
Kingman Farm
University of New Hampshire
Durham, NH 03824-3512
(603) 749-1565 / Fax: (603) 743-3997

Stellwagen Bank National Marine Sanctuary

This recently designated marine sanctuary is developing educational programs involving environmental science.

Ann Smrcina, Education Coordinator
Stellwagen Bank National Marine Sanctuary
14 Union Street
Plymouth, MA 02360
(508) 747-1691 / Fax: (508) 747-1949

Waquoit Bay National Estuarine Research Reserve

The reserve offers intern programs, interpretive walks, and watershed curriculum.

Joan Muller, Education Coordinator
Waquoit Bay National Estuarine Research Reserve
149 Waquoit Highway, PO Box 3092
Waquoit, MA 02536
(508) 457-0495 / Fax: (508) 727-5537

▶Department of Defense (DoD)

Science and Engineering Apprentice Program

This program, supported by DoD and administered by The George Washington University, is designed to provide research experience for high school students attending school near this participating research facility. Each student works with a senior scientist or engineer who acts as a mentor for eight weeks during the summer.

Marilyn Joy
U.S. Army Soldier Systems Command
Attn: AMSSC-SDP
Natick, MA 01760-5013
(508) 233-5089

U.S. Army Natick Research, Development, and Engineering Center

The center offers informal internships and mentoring activities to students in a variety of disciplines. Center staff also participate in the U.S. Army High School Science and Mathematics Faculty Summer Research Program administered by the Army Research Office.

U.S. Army Natick Research, Development, and Engineering Center
Kansas Street
Natick, MA 01760-5000
(508) 233-4300

▶Department of Education (ED)

The Eisenhower Regional Alliance for Mathematics and Science Education Reform

The Eisenhower Regional Consortium provides information and technical assistance to help States and school districts improve mathematics and science education.

Mark Kaufman and Bob McLaughlin, Co-Directors
Eisenhower Regional Alliance for Mathematics and Science Education Reform
TERC
2067 Massachusetts Avenue
Cambridge, MA 02140
(617) 547-0430 / Fax: (617) 349-3535
WWW: http://www.ra.terc.edu

Eisenhower State Coordinators

Eisenhower State Coordinators administer the Eisenhower Professional Development Program State Formula grants. The program focuses on sustained and intensive high-quality professional development through inservice programs.

Neil Davidson, Executive Director
Division School Programs
Eisenhower Professional Development Program
Massachusetts Department of Education
350 Main Street
Malden, MA 02148-5023
(617) 338-3300, ext. 248
Fax: (617) 308-3395

Eisenhower State Coordinators for Higher Education

Eisenhower State Coordinators oversee the Eisenhower Professional Development State Formula Grants for the State Agency for Higher Education (SAHE). The program focuses on teacher enhancement through both inservice and preservice programs.

Lynette Robinson-Weening
Eisenhower Professional Development Program
Massachusetts Higher Education Coordinating Council
McCormack Building, Room 1401
One Ashburton Place
Boston, MA 02108-1696
(617) 727-7785, ext. 246
Fax: (617) 727-6397

Northeast Regional Technology in Education Consortium (NetTech)

ED established the Regional Technology in Education Consortia (R*TEC) program in the fall of 1995 to help States, districts, schools, adult literacy centers, and other educational institutions use advanced technology to support improved teaching and student achievement. R*TEC's role in educational technology is unique in two ways: the emphasis is regional and the primary goal is to ensure that technology is used effectively to support school reform. Program strategies include professional development, technical assistance, and information dissemination.

Bonnie Brownstein and Michael Ribaudo, Co-Directors
NetTech
City University of New York
555 West 57th Street
New York, NY 10019
(212) 541-0972 / Fax: (212) 541-0357
E-mail: blbbh@cunyvm.cuny.edu
WWW: http://www.nettech.org/

Kathy Fuller, R*TEC Project Officer
U.S. Department of Education
Office of Educational Research and Improvement
ORAD/SLSD, Room 506c
555 New Jersey Avenue NW
Washington, DC 20208-5644
(202) 219-2281
E-mail: Kathy_Fuller@ed.gov

Northeast and Islands Regional Educational Laboratory at Brown University (LAB)

LAB identifies effective teaching techniques and school improvement efforts within the region and shares this information with State and local educators.

Dr. Phil Zarlengo, Executive Director
222 Richmond Street, Suite 300
Providence, RI 02903-4226
(800) 521-9550
(401) 274-9548 / Fax (401) 421-7650
WWW: http://www.vlab.brown.edu/

▶Department of Energy (DOE)

Bates Linear Accelerator Center

The center supports nuclear and particle physics experiments by researchers from approximately 40 educational institutions. It has recently added continuous beam capability.

Wade Sapp, Principal Research Scientist
Bates Linear Accelerator Center
PO Box 846
Middleton, MA 01949
(617) 253-9519 / Fax: (617) 253-9599
E-mail: sapp@bates.mit.edu

▶Department of the Interior (DOI)

Bureau of Land Management Eastern States Office

This office provides information about educational programs, materials, and local land-management issues.

Education Coordinator
Bureau of Land Management
7450 Boston Boulevard
Springfield, VA 22153
(703) 440-1713

Cape Cod National Seashore

The seashore offers a residential environmental education program for students. Curriculum materials and other onsite activities are available upon request.

Division of Interpretation
Cape Cod National Seashore
South Wellsfleet, MA 02663
(508) 349-3785

Cronin National Salmon Station

The Atlantic Salmon Restoration program consists of staff visiting schools and showing slides, giving demonstrations, or conducting class discussions on Atlantic salmon. Visits are also made to the hatchery to see and feed the fish and to learn about salmon life and restoration efforts. This program is adaptable to a large variety of groups.

Bernard M. Novak, Jr., Hatchery Manager
Cronin National Salmon Station
51 East Plumtree Road
Sunderland, MA 01375
(413) 548-9010 / Fax: (413) 548-9628

Great Meadows National Wildlife Refuge

The refuge operates a classroom laboratory for wetlands study. Teachers must complete a wetlands workshop prior to conducting a class in the laboratory.

Other programs include the following:

- **National Wildlife Week**, sponsored by the National Wildlife Federation, is held each April. Great Meadows National Wildlife Refuge serves as a distribution point for approximately 300 kits for school teachers in the area, mostly eastern Massachusetts. Each kit contains lesson plans for teachers, student pages, and promotional materials on the theme selected by the NWF each year.
- **The Wetlands Teacher Workshop** is a one-day workshop introducing teachers and youth group leaders to the biology of pond and freshwater marsh habitats of the Refuge; the onsite classroom laboratory and its use; and equipment available to teachers for their self-guided onsite environmental education programs. Film, handouts, discussion, and hands-on pond sampling and microscopic investigation techniques are used.

Janet Kennedy, Outdoor Recreation Planner
Great Meadows NWR
Weir Hill Road
Sudbury, MA 01776
(508) 443-4661 / Fax: (508) 443-2898
E-mail: r5rw_gmnwr@mail.fws.gov

Minerals Management Service (MMS) Regional Office

The MMS Regional Office provides a range of educational services. Teacher inservice programs and classroom visitations may include supplemental materials. Availability may be limited, but arrangements may be made for duplication of some materials at minimal cost.

Offshore Minerals Management Technical Communications Service
Minerals Management Service
381 Eldon Street, MS 4530
Herndon, VA 20170-4817
(703) 787-1080 / Fax: (703) 787-1186

Office of Communications & Governmental Affairs
Education Coordinator
Minerals Management Service
1849 C Street NW; LMS4230
Washington, DC 20240-0001
(202) 208-3985 / Fax: (202) 208-3968

Monomoy National Wildlife Refuge

Cultural and Natural History Tours of South Monomoy Island operate through a cooperative agreement with the U.S. Fish and Wildlife Service and the Cape Cod Museum of Natural History. The program offers cultural and natural history tours of South Monomoy Island and includes the use of the historical Monomoy Lighthouse as a base of operations. Day and overnight trips are offered.

Internships in refuge management, wildlife management, biology, and public use management are available during the summer months. Undergraduate students and those planning to enter graduate school participate in field activities related to the above-mentioned disciplines, working alongside refuge staff and independently. Internships are tailored to meet student and refuge needs. Generally, one or two internships are conducted each year.

Sharon Ware, Refuge Operations Specialist
Monomoy NWR
Wikis Way
Chatham, MA 02633
(508) 945-0594 / Fax: (508) 945-9559
E-mail: r5rw_mnwr@mail.fws.gov

Project WILD

Project WILD offers teacher training and educational materials. Teacher guides, free to teachers who attend the training session, contain more than 80 supplementary, interdisciplinary activities for grades K–12.

Marion Larson, Project WILD Co-Coordinator
Division of Fisheries and Wildlife
Route 135
Westboro, MA 01581
(508) 792-7270 / Fax: (508) 792-7275

Cleti Cervoni, Project WILD Co-Coordinator
Massachusetts Audubon Society
South Great Road
Lincoln, MA 01773-1460
(617) 259-9506, ext. 7252
Fax: (617) 259-8899

Saugus Iron Works, National Historic Site

In the program A Colonial Iron Works, students are introduced to 17th century ironmaking. Students participate in a "hunt" to find the natural resources used in ironmaking. Then they are taken through the process and the end result, such as an iron tool or nail. Pre- and post-visit materials and resource boxes are available.

Frank M. Studinski, Chief
Interpretation and Visitor Service
Saugus Iron Works, NHS
244 Central Street
Saugus, MA 01906
(617) 233-0050 / Fax: (617) 231-9012

▶Department of Labor (DOL)

Job Training Partnership Act (JTPA) Liaison

The JTPA Liaison can provide information about the Job Training Partnership Act State and local programs for economically disadvantaged adults and youth.

Nils L. Nordberg, Commissioner
Massachusetts Department of Employment and Training
Charles F. Hurley Building
Government Center, 19 Staniford Street
Boston, MA 02114
(617) 727-6600 / Fax: (617) 727-0315

▶Department of Transportation (DOT)

Federal Aviation Administration (FAA) Aviation Education

The FAA Aviation Education Representative coordinates aviation education services, including materials and programs for the FAA in the States assigned to the region.

Programs include the following:

- **The Aviation Career Education (ACE) Academy** is a one-week summer aviation education program for high school students sponsored by the FAA along with a host educational institution. The program provides students with diverse experiences in aviation career exploration. The focus is on aviation career clusters identified by FAA, with an emphasis on opportunities for women and minorities. A goal is to have one program in each State and U.S. Territory. The FAA will conduct regional leadership workshops and provide funds based on the availability of resources.
- **Aviation Education Workshops for Teachers** provide teachers with information on FAA aviation programs and materials and prepare them to teach aviation in the classroom. Annual workshops are conducted at colleges and universities across the Nation. The FAA provides information, materials, and speakers for the program.
- **National Congress on Aviation and Space Education** is sponsored annually by the FAA in partnership with the National Aeronautics and Space Administration and the Civil Air Patrol. The meeting includes teacher workshops and crosstalk sessions to exchange ideas on promoting aerospace education.

Sheila Bauer, ANE-45, FAA Aviation Education Representative
12 New England Executive Park
Burlington, MA 01803
(617) 238-7378 / Fax: (617) 238-7007

FAA Aviation Education Resource Centers

Located at colleges, museums, and State aviation authority offices, these centers function as information distribution centers for Federal Aviation Administration education materials and resources. The Resource Centers maintain and provide quantities of printed materials, videotapes, and computer educational software. Center personnel can also provide general information, conduct workshops, and make aviation-related presentations.

Bill Annesley
Aviation Education Resource Center
Bridgewater State College
Management Science and Aviation Science Department
Bridgewater, MA 02325
(508) 697-1395

Dr. Robert Finklestein
Aviation Education Resource Center
North Shore Community College
One Ferncroft Road
Danvers, MA 01923
(508) 762-4000, ext. 6296

Dr. Nicholas Tzimopoulos, Director
Aviation Education Resource Center
Lexington Public School System
Curriculum/Science Education
1557 Massachusetts Avenue
Lexington, MA 02173
(617) 861-2484

Maureen McCartney, Director of Career Services
Aviation Education Resource Center
Westfield State College
Ely Campus Center, Western Avenue
Westfield, MA 01086
(413) 568-3311, ext. 206

Dr. Toby Penstlen
Aviation Education Resource Center
Massachusetts Aeronautics Commission
Transportation Library, 10 Park Plaza
Boston, MA 02116-3966
(617) 973-8000

▶Environmental Protection Agency (EPA)

EPA Regional Office

This office takes part in a variety of environmental education programs for both teachers and students. Programs range from teacher workshops and student contests to in-school presentations. Information on environmental issues is also available through the Public Information Center located at the office.

Maria Pirie, Environmental Education Coordinator
Environmental Protection Agency
JFK Federal Building (RPM)
Boston, MA 02203
(617) 565-9447 / Fax: (617) 565-3415

The President's Environmental Youth Awards (PEYA) Program

Young people from each State are invited to participate in PEYA, a nationwide program designed to encourage individuals, school classes, summer camps, public interest groups, and youth organizations to promote environmental awareness and community involvement. The two components of the program are the regional certificate program and the National awards competition. Regional certificates, signed by the President, are awarded to each participant by EPA regional offices. National individual project winners, or one representative from a National award-winning group project, along with one sponsor, are honored at EPA headquarters in Washington, DC. Interested K–12 individuals or groups may obtain application materials and contest rules by contacting the EPA Regional Office that serves their State. PEYA has been an ongoing project since it was created by the White House Office of Education and the EPA in 1971.

EPA Region 1
JFK Federal Building
Boston, MA 02203
(617) 565-9447 / Fax: (617) 565-3415

▶ National Aeronautics and Space Administration (NASA)

NASA Educator Resource Center

The center has NASA-related educational materials in various formats, including laserdiscs, CD-ROMs, videotapes, slides, audiotapes, publications, and teacher guides. Educators may preview or copy NASA materials upon request.

Educator Resource Laboratory
NASA Goddard Space Flight Center
Mail Code 130.3
Greenbelt, MD 20771-0001
(301) 286-8570

NASA Field Centers

Each field center has an educational programs officer who is responsible for precollege education programs. In addition to administering National programs, the center offers programs and services to meet regional and local needs.

Education Programs
NASA Goddard Space Flight Center
Mail Code 130
Greenbelt, MD 20771-0001
(301) 286-7206

NASA Regional Educator Resource Center (RERC)

To offer more educators the opportunity to visit the Educator Resource Center Network (ERCN), NASA forms partnerships with planetariums, universities, museums, and other nonprofit organizations to serve as RERCs. Teachers may preview or copy NASA materials upon request.

Bridgewater State College
NASA Regional Educator Resource Center
Office of Sponsored Projects
Bridgewater, MA 02325
(508) 697-1242

Space Grant Consortium

The Space Grant Consortium in each State consists of colleges, universities, industry, and other organizations that have an interest in aeronautics and space education. Each consortium receives NASA funds for use in implementing a balanced program of research, education, and public service.

Massachusetts Space Grant Consortium
Massachusetts Institute of Technology
Aeronautics and Astronautics
77 Massachusetts Avenue
Building 37, Room 207
Cambridge, MA 02139
(617) 253-7759

▶ National Science Foundation (NSF)

Statewide Systemic Initiatives (SSI) Program

The goals for the Massachusetts SSI Program include producing the State's first science and mathematics curriculum frameworks. Professional development opportunities are focused on reflective, inquiry-based teaching. Other initiatives include improving teacher preparation programs and establishing partnerships among schools, higher education institutions, businesses, parents, and the community.

David P. Driscoll
Massachusetts Department of Education
350 Main Street
Malden, MA 02148-5023
(617) 388-3300, ext. 103
Fax: (617) 388-3395
E-mail: ddriscoll@doe.mass.edu

New Hampshire

▶ Department of Agriculture (USDA)

4-H State Leader

The State 4-H Youth Development Programs are administered by the Cooperative Extension Service at land-grant universities. State 4-H leaders coordinate outreach services and training to all county offices.

Dr. Charlene Baxter, Program Leader
4-H and Youth Development
University of New Hampshire
59 College Road, 119 Taylor Hall
Durham, NH 03824
(603) 862-2161 / Fax: (603) 862-1585
E-mail: charlene.baxter@unh.edu

Ag in the Classroom State Leader

This program promotes increased understanding of agriculture and possible careers in the agricultural sciences. With National leadership provided by USDA, each State manages its own programs, with assistance from agribusiness, educational institutions, and government.

Lynne Blye
Department of Agriculture
Caller Box 2042
Concord, NH 03302
(603) 271-3696 / Fax: (603) 271-1109

▶ Department of Commerce (DOC)

Great Bay National Estuarine Research Reserve

The reserve operates the Sandy Point Interpretive Center, which includes exhibits describing the human and natural histories of the Bay. Some programs are available for secondary students and teachers.

Betsy Franz, Education Coordinator
Great Bay National Estuarine Research
Reserve
Sandy Point Discovery Center
89 Depot Road
Stratham, NH 03885
(603) 778-0015 / Fax: (603) 778-7398

National Sea Grant College Program, Operation Pathfinder

The program consists of two-week summer courses that present an introduction to oceanographic and coastal processes. Courses are available in six regions and are designed to enhance skills in science teaching.

Sharon Meeker
New Hampshire-Maine Sea Grant
Kingman Farm
University of New Hampshire
Durham, NH 03824-3512
(603) 749-1565 / Fax: (603) 743-3997

▶ Department of Defense (DoD)

U.S. Army Cold Regions Research and Engineering Laboratory

The laboratory manages an apprenticeship program for juniors in local high schools. The program's purpose is to encourage continuation in mathematics, science, and engineering.

Audrey Vaughan
Office of Human Resources
Cold Regions Research and Engineering
Laboratory
72 Lyme Road
Hanover, NH 03755-1290
(603) 646-4645

▶ Department of Education (ED)

The Eisenhower Regional Alliance for Mathematics and Science Education Reform

The Eisenhower Regional Consortium provides information and technical assistance to help States and school districts improve mathematics and science education.

Mark Kaufman and Bob McLaughlin,
Co-Directors
Eisenhower Regional Alliance for
Mathematics and Science Education Reform
TERC
2067 Massachusetts Avenue
Cambridge, MA 02140
(617) 547-0430 / Fax: (617) 349-3535
WWW: http://www.ra.terc.edu

Eisenhower State Coordinators

Eisenhower State Coordinators administer the Eisenhower Professional Development Program State Formula grants. The program focuses on sustained and intensive high-quality professional development through inservice programs.

Edward J. Hendry
Eisenhower Professional Development
Program
New Hampshire Department of Education
101 Pleasant Street
Concord, NH 03301
(603) 271-2632 / Fax: (603) 271-1953

Eisenhower State Coordinators for Higher Education

Eisenhower State Coordinators oversee the Eisenhower Professional Development State Formula Grants for the State Agency for Higher Education (SAHE). The program focuses on teacher enhancement through both inservice and preservice programs.

Edward J. Hendry
Eisenhower Professional Development
Program
New Hampshire Department of Education
101 Pleasant Street
Concord, NH 03301
(603) 271-2632 / Fax: (603) 271-1953

Northeast Regional Technology in Education Consortium (NetTech)

ED established the Regional Technology in Education Consortia (R*TEC) program in the fall of 1995 to help States, districts, schools, adult literacy centers, and other educational institutions use advanced technology to support improved teaching and student achievement. R*TEC's role in educational technology is unique in two ways: the emphasis is regional and the primary goal is to ensure that technology is used effectively to support school reform. Program strategies include professional development, technical assistance, and information dissemination.

Bonnie Brownstein and Michael Ribaudo,
Co-Directors
NetTech
City University of New York
555 West 57th Street
New York, NY 10019
(212) 541-0972 / Fax: (212) 541-0357
E-mail: blbbh@cunyvm.cuny.edu
WWW: http://www.nettech.org/

Kathy Fuller, R*TEC Project Officer
U.S. Department of Education
Office of Educational Research and
Improvement
ORAD/SLSD, Room 506c
555 New Jersey Avenue NW
Washington, DC 20208-5644
(202) 219-2281
E-mail: Kathy_Fuller@ed.gov

Northeast and Islands Regional Educational Laboratory at Brown University (LAB)

LAB identifies effective teaching techniques and school improvement efforts within the region and shares this information with State and local educators.

Dr. Phil Zarlengo, Executive Director
222 Richmond Street, Suite 300
Providence, RI 02903-4226
(800) 521-9550
(401) 274-9548 / Fax (401) 421-7650
WWW: http://www.vlab.brown.edu/

▶ Department of the Interior (DOI)

Bureau of Land Management Eastern States Office

This office provides information about educational programs, materials, and local land-management issues.

Education Coordinator
Bureau of Land Management
7450 Boston Boulevard
Springfield, VA 22153
(703) 440-1713

Minerals Management Service (MMS) Regional Office

The MMS Regional Office provides a range of educational services. Teacher inservice programs and classroom visitations may include supplemental materials. Availability may be limited, but arrangements may be made for duplication of some materials at minimal cost.

Office of Communications & Governmental
Affairs
Education Coordinator
Minerals Management Service
1849 C Street NW; LMS4230
Washington, DC 20240-0001
(202) 208-3985 / Fax: (202) 208-3968

Offshore Minerals Management Technical
Communications Service
Minerals Management Service
381 Eldon Street, MS 4530
Herndon, VA 20170-4817
(703) 787-1080 / Fax: (703) 787-1186

Project WILD

Project WILD offers teacher training and educational materials. Teacher guides, free to teachers who attend the training session, contain more than 80 supplementary, interdisciplinary activities for grades K–12.

Judy Silverberg, Project WILD Coordinator
New Hampshire Fish and Game Department
Two Hazen Drive
Concord, NH 03301
(603) 271-3212 / Fax: (603) 271-1438

▶ Department of Labor (DOL)

Job Training Partnership Act (JTPA) Liaison

The JTPA Liaison can provide information about the Job Training Partnership Act State and local programs for economically disadvantaged adults and youth.

Ray O. Worden, Executive Director
New Hampshire Job Training Coordinating
Council
64B Old Suncook Road
Concord, NH 03301
(603) 228-9500 / Fax: (603) 228-8557

▶ Department of Transportation (DOT)

Federal Aviation Administration (FAA) Aviation Education

The FAA Aviation Education Representative coordinates aviation education services, including materials and programs for the FAA in the States assigned to the region

Programs include the following:

- **The Aviation Career Education (ACE) Academy** is a one-week summer aviation education program for high school students sponsored by the FAA along with a host educational institution. The program provides students with diverse experiences in aviation career exploration. The focus is on aviation career clusters identified by FAA, with an emphasis on opportunities for women and minorities. A goal is to have one program in each State and U.S. Territory. The FAA will conduct regional leadership workshops and provide funds based on the availability of resources.
- **Aviation Education Workshops for Teachers** provide teachers with information on FAA aviation programs and materials and prepare them to teach aviation in the classroom. Annual workshops are conducted at colleges and universities across the Nation. The FAA provides information, materials, and speakers for the program.
- **National Congress on Aviation and Space Education** is sponsored annually by the FAA in partnership with the National Aeronautics and Space Administration and the Civil Air Patrol. The meeting includes teacher workshops and crosstalk sessions to exchange ideas on promoting aerospace education.

Sheila Bauer, ANE-45, FAA Aviation
Education Representative
12 New England Executive Park
Burlington, MA 01803
(617) 238-7378 / Fax: (617) 238-7007

FAA Aviation Education Resource Centers

Located at colleges, museums, and State aviation authority offices, these centers function as information distribution centers for Federal Aviation Administration education materials and resources. The Resource Centers maintain and provide quantities of printed materials, videotapes, and computer educational software. Center personnel can also provide general information, conduct workshops, and make aviation-related presentations.

Ronald Wanner
Aviation Education Resource Center
New Hampshire DOT Division of
Aeronautics
65 Airport Road, Concord Municipal Airport
Concord, NH 03301-5298
(603) 271-2551

Hanna McCarthy, President
Aviation Education Resource Center
Daniel Webster College
20 University Drive
Nashua, NH 03063-1699
(603) 883-3556

▶ Environmental Protection Agency (EPA)

EPA Regional Office

This office takes part in a variety of environmental education programs for both teachers and students. Programs range from teacher workshops and student contests to in-school presentations. Information on environmental issues is also available through the Public Information Center located at the office.

Maria Pirie, Environmental Education
Coordinator
Environmental Protection Agency
JFK Federal Building (RPM)
Boston, MA 02203
(617) 565-9447 / Fax: (617) 565-3415

The President's Environmental Youth Awards (PEYA) Program

Young people from each State are invited to participate in PEYA, a nationwide program designed to encourage individuals, school classes, summer camps, public interest groups, and youth organizations to promote environmental awareness and community involvement. The two components of the program are the regional certificate program and the National awards competition. Regional certificates, signed by the President, are awarded to each participant by EPA regional offices. National individual project winners, or one representative from a National award-winning group project, along with one sponsor, are honored at EPA headquarters in Washington, DC. Interested K–12 individuals or groups may obtain application materials and contest rules by contacting the EPA Regional Office that serves their State. PEYA has been an ongoing project since it was created by the White House Office of Education and the EPA in 1971.

EPA Region 1
JFK Federal Building
Boston, MA 02203
(617) 565-9447 / Fax: (617) 565-3415

▶ National Aeronautics and Space Administration (NASA)

NASA Educator Resource Center

The center has NASA-related educational materials in various formats, including laserdiscs, CD-ROMs, videotapes, slides, audiotapes, publications, and teacher guides. Educators may preview or copy NASA materials upon request.

Educator Resource Laboratory
NASA Goddard Space Flight Center
Mail Code 130.3
Greenbelt, MD 20771-0001
(301) 286-8570

NASA Field Centers

Each field center has an educational programs officer who is responsible for precollege education programs. In addition to administering National programs, the center offers programs and services to meet regional and local needs.

Education Programs
NASA Goddard Space Flight Center
Mail Code 130
Greenbelt, MD 20771-0001
(301) 286-7206

Space Grant Consortium

The Space Grant Consortium in each State consists of colleges, universities, industry, and other organizations that have an interest in aeronautics and space education. Each consortium receives NASA funds for use in implementing a balanced program of research, education, and public service.

New Hampshire Space Grant Consortium
Institute for the Study of Earth, Oceans, and
Space
University of New Hampshire, Morse Hall
Durham, NH 03824-3525
(603) 862-0094

New York

▶ Department of Agriculture (USDA)

4-H State Leader

The State 4-H Youth Development Programs are administered by the Cooperative

Extension Service at land-grant universities. State 4-H leaders coordinate outreach services and training to all county offices.

Dr. Ron Jones, State 4-H Program Leader
4-H Youth Development, Cornell University
Roberts Hall, Room 354
Ithaca, NY 14853-4203
(607) 255-2233 / Fax: (607) 255-0788
E-mail: rjones@cce.cornell.edu

Ag in the Classroom State Leader

This program promotes increased understanding of agriculture and possible careers in the agricultural sciences. With National leadership provided by USDA, each State manages its own programs, with assistance from agribusiness, educational institutions, and government.

Andrew Fagan
Cornell University
408 Kennedy Hall
Ithaca, NY 14853-5901
(607) 255-8122 / Fax: (607) 255-7905

▶Department of Commerce (DOC)

Hudson River National Estuarine Research Reserve

The reserve offers professional development workshops for educators and operates an Educational Resource Library. The reserve also has onsite and outreach interpretive programs.

Dennis Mildner, Education Coordinator
Hudson River National Estuarine Research
Reserve
New York State Department of
Environmental Conservation
c/o Bard College Field Station
Annandale-On-Hudson, NY 12504
(914) 758-5193 / Fax: (914) 758-5192

National Sea Grant College Program, Operation Pathfinder

The program consists of two-week summer courses that present an introduction to oceanographic and coastal processes. Courses are available in six regions and are designed to enhance skills in science teaching.

Sharon Meeker
New Hampshire-Maine Sea Grant
Kingman Farm
University of New Hampshire
Durham, NH 03824-3512
(603) 749-1565 / Fax: (603) 743-3997

▶Department of Education (ED)

The Eisenhower Regional Alliance for Mathematics and Science Education Reform

The Eisenhower Regional Consortium provides information and technical assistance to help States and school districts improve mathematics and science education.

Mark Kaufman and Bob McLaughlin,
Co-Directors
Eisenhower Regional Alliance for
Mathematics and Science Education Reform
TERC
2067 Massachusetts Avenue
Cambridge, MA 02140
(617) 547-0430 / Fax: (617) 349-3535
WWW: http://www.ra.terc.edu

Eisenhower State Coordinators

Eisenhower State Coordinators administer the Eisenhower Professional Development Program State Formula grants. The program focuses on sustained and intensive high-quality professional development through inservice programs.

Laurie A. Rowe
Eisenhower Professional Development
Program
New York Education Department
Room 979 EBA
Albany, NY 12234
(518) 473-1388 / Fax: (518) 486-7336
E-mail: lrowe@inet.ed.gov

Eisenhower State Coordinators for Higher Education

Eisenhower State Coordinators oversee the Eisenhower Professional Development State Formula Grants for the State Agency for Higher Education (SAHE). The program focuses on teacher enhancement through both inservice and preservice programs.

Yvonne Lovell
Eisenhower Professional Development
Program
New York State Education Department
Empire State Plaza
Cultural Education Center, Room 5064
Albany, NY 12230
(518) 486-6042 / Fax: (518) 486-3239

Northeast Regional Technology in Education Consortium (NetTech)

ED established the Regional Technology in Education Consortia (R*TEC) program in the fall of 1995 to help States, districts, schools, adult literacy centers, and other educational institutions use advanced technology to support improved teaching and student achievement. R*TEC's role in educational technology is unique in two ways: the emphasis is regional and the primary goal is to ensure that technology is used effectively to support school reform. Program strategies include professional development, technical assistance, and information dissemination.

Bonnie Brownstein and Michael Ribaudo,
Co-Directors
NetTech
City University of New York
555 West 57th Street
New York, NY 10019
(212) 541-0972 / Fax: (212) 541-0357
E-mail: blbbh@cunyvm.cuny.edu
WWW: http://www.nettech.org/

Kathy Fuller, R*TEC Project Officer
U.S. Department of Education
Office of Educational Research and
Improvement
ORAD/SLSD, Room 506c
555 New Jersey Avenue NW
Washington, DC 20208-5644
(202) 219-2281
E-mail: Kathy_Fuller@ed.gov

Northeast and Islands Regional Educational Laboratory at Brown University (LAB)

LAB identifies effective teaching techniques and school improvement efforts within the region and shares this information with State and local educators.

Dr. Phil Zarlengo, Executive Director
222 Richmond Street, Suite 300
Providence, RI 02903-4226
(800) 521-9550
(401) 274-9548 / Fax (401) 421-7650
WWW: http://www.vlab.brown.edu/

▶Department of Energy (DOE)

Appalachian Regional Commission (ARC) and Oak Ridge National Laboratory (ORNL)

A summer science, mathematics, and technology Teacher Leadership Institute is available for secondary teachers to participate research-based programs at ORNL. The institute is provided in a two-week summer residential format patterned after the ORNL/National Science Foundation (NSF) National Teacher Enhancement Project and Leadership Institute. Participants are selected by the ARC from secondary schools throughout the ARC region. The focus is on hands-on laboratory research applying the tools and methods used in ongoing ORNL projects in research areas (as appropriate for each teacher's teaching assignment), pedagogy, and leadership. The program will feature telecommunications instruction at the ORNL Regional Science Center and telecommunications will be the primary method used for academic year follow-up and continued interactions with the teachers. Participants in the Teacher Leadership Institute will be hosted by several ORNL research divisions based on each teacher's background and interests. A program coordinator with experience in teacher preparation/higher education delivers instruction in pedagogy and educational leadership.

ARC and ORNL also collaborate on a summer science, mathematics, and technology Summer Science Honors Academy for ARC students to participate in research-based programs at ORNL. Student participants (seniors or graduating seniors) will be selected by the ARC from secondary schools throughout the ARC region. Students will be teamed with research mentors to participate in hands-on laboratory research applying the tools and methods used in ongoing ORNL projects. Students will also receive telecommunications instruction at the ORNL Regional Science Center.

Terry L. Lashley, Education Partnerships
Team Leader
Oak Ridge National Laboratory
Office of University and Science Education
PO Box 2008, Building 5500A, MS 6366
Oak Ridge, TN 37831-6366
(423) 574-0689 / Fax: (423) 241-6726
E-mail: TL7@ornl.gov

Brookhaven National Laboratory

The laboratory provides teacher workshops, student and faculty research apprenticeships, outreach, and onsite programs.

Karl Swyler, Head
Educational Programs
Brookhaven National Laboratory
14 Brookhaven Avenue, Building 438
PO Box 5000
Upton, NY 11973-5000
(516) 344-7171 / Fax: (516) 344-5832
E-mail: swyler@bnl.gov

▶ Department of the Interior (DOI)

Bureau of Land Management Eastern States Office

This office provides information about educational programs, materials, and local land-management issues.

Education Coordinator
Bureau of Land Management
7450 Boston Boulevard
Springfield, VA 22153
(703) 440-1713

Fire Island National Seashore

Programs include guided nature walks, teacher workshops, and a Junior Ranger Program. A teacher guide that emphasizes the geology, history, ecology, and zoology of Fire Island is available.

Division of Interpretation
Fire Island National Seashore
120 Laurel Street
Patchogue, NY 11772
(516) 289-4810

Gateway National Recreation Area

Programs are primarily for grades four through six, although programs can be arranged for other grade levels. Teachers must attend a one-day seminar about the park prior to bringing their students.

Division of Interpretation
Gateway National Recreation Area
Building 69, Floyd Bennett Field
Brooklyn, NY 11234
(718) 338-4376

Iroquois National Wildlife Refuge

Teacher workshops and guided tours are offered to promote environmental education. In the School Field Trip Program, teachers may schedule a one- or two-hour program during their visit, including: 1) an hour indoors with an orientation slide show or other AV program selected from the refuge library, and 2) an hour outdoors on an interpretive walk on a nature trail or visit to a wildlife overlook. Programs can be modified to coincide with specific classroom studies.

Project WILD and Project WET (Aquatic WILD) Teacher Workshops are supplementary environmental education programs emphasizing Wildlife In Learning Design. Teachers and youth educators learn new teaching ideas for use in the classroom or in youth-oriented programs including scouts and recreation centers. Participants receive activity guides and other teaching materials that can be used to supplement the curriculum.

Two sessions of the State Waterfowl Identification class are conducted each fall. Slides, videotapes, and lectures help participants learn how to identify common waterfowl species. Hunter ethics, ballistics, and wildlife laws pertaining to hunting are also covered. Participants must pass a written test to receive a certification card.

Dorothy Gerhart, Outdoor Recreation
Planner
Iroquois NWR
Casey Road, PO Box 517-1101
Alabama, NY 14003
(716) 948-5445 / Fax: (716) 948-9538
E-mail: r5rw_irqnwr@mail.fws.gov

Long Island National Wildlife Refuge

Teacher workshops promote environmental education, curriculum materials, and various interpretation programs for students.

Outdoor Recreation Planner
Long Island National Wildlife Refuge
Complex
PO Box 21
Shirley, NY 11967
(516) 286-0485 / Fax: (516) 286-4003

Montezuma National Wildlife Refuge

The refuge has a video library, environmental education activities, curriculum materials, and guided nature tours.

Outdoor Recreation Planner
Montezuma National Wildlife Refuge
3395 Route 5/20 East
Seneca Falls, NY 13148
(315) 568-5987 / Fax: (315) 568-8835

Project WILD

Project WILD offers teacher training and educational materials. Teacher guides, free to teachers who attend the training session, contain more than 80 supplementary, interdisciplinary activities for grades K–12.

Frank Knight
New York Department of Environmental
Conservation
50 Wolf Road, Room 504
Albany, NY 12233
(518) 457-3720 / Fax: (518) 547-0855

▶ Department of Labor (DOL)

Job Training Partnership Act (JTPA) Liaison

The JTPA Liaison can provide information about the Job Training Partnership Act State and local programs for economically disadvantaged adults and youth.

John F. Hudacs, Commissioner
New York State Department of Labor
State Office Building Campus
Building 12, Room 500
Albany, NY 12240
(518) 457-2741 / Fax: (518) 457-6908

▶Department of Transportation (DOT)

Federal Aviation Administration (FAA) Aviation Education

The FAA Aviation Education Representative coordinates aviation education services, including materials and programs for the FAA in the States assigned to the region.

Programs include the following:

- **The Aviation Career Education (ACE) Academy** is a one-week summer aviation education program for high school students sponsored by the FAA along with a host educational institution. The program provides students with diverse experiences in aviation career exploration. The focus is on aviation career clusters identified by FAA, with an emphasis on opportunities for women and minorities. A goal is to have one program in each State and U.S. Territory. The FAA will conduct regional leadership workshops and provide funds based on the availability of resources.
- **Aviation Education Workshops for Teachers** provide teachers with information on FAA aviation programs and materials and prepare them to teach aviation in the classroom. Annual workshops are conducted at colleges and universities across the Nation. The FAA provides information, materials, and speakers for the program.
- **National Congress on Aviation and Space Education** is sponsored annually by the FAA in partnership with the National Aeronautics and Space Administration and the Civil Air Patrol. The meeting includes teacher workshops and crosstalk sessions to exchange ideas on promoting aerospace education.

Jim Szakary, AEA-61, FAA Aviation
Education Representative
JFK International Airport
Federal Building, #111
Jamaica, NY 11430
(718) 553-3364 / Fax: (718) 553-1455

FAA Aviation Education Resource Centers

Located at colleges, museums, and State aviation authority offices, these centers function as information distribution centers for Federal Aviation Administration education materials and resources. The Resource Centers maintain and provide quantities of printed materials, videotapes, and computer educational software. Center personnel can also provide general information, conduct workshops, and make aviation-related presentations.

Dr. Albert E. Donor, Provost and Executive
Vice President
Aviation Education Resource Center
Dowling College
Oakdale, NY 11769
(516) 244-3200

▶Environmental Protection Agency (EPA)

EPA Regional Office

This office takes part in a variety of environmental education programs for both teachers and students. Programs range from teacher workshops and student contests to in-school presentations. Information on environmental issues is also available through the Public Information Center located at the office.

Terry Ippolito, Environmental Education
Coordinator
Environmental Protection Agency
290 Broadway, 26th Floor
New York, NY 10007
(212) 637-3671 / Fax: (212) 637-4445

The President's Environmental Youth Awards (PEYA) Program

Young people from each State are invited to participate in PEYA, a nationwide program designed to encourage individuals, school classes, summer camps, public interest groups, and youth organizations to promote environmental awareness and community involvement. The two components of the program are the regional certificate program and the National awards competition. Regional certificates, signed by the President, are awarded to each participant by EPA regional offices. National individual project winners, or one representative from a National award-winning group project, along with one sponsor, are honored at EPA headquarters in Washington, DC. Interested K–12 individuals or groups may obtain application materials and contest rules by contacting the EPA Regional Office that serves their State. PEYA has been an ongoing project since it was created by the White House Office of Education and the EPA in 1971.

EPA Region 2
290 Broadway, 26th Floor
New York, NY 10007
(212) 637-3678 / Fax: (212) 637-4445

▶National Aeronautics and Space Administration (NASA)

NASA Educator Resource Center

The center has NASA-related educational materials in various formats, including laserdiscs, CD-ROMs, videotapes, slides, audiotapes, publications, and teacher guides. Educators may preview or copy NASA materials upon request.

Educator Resource Laboratory
NASA Goddard Space Flight Center
Mail Code 130.3
Greenbelt, MD 20771-0001
(301) 286-8570

NASA Field Centers

Each field center has an educational programs officer who is responsible for precollege education programs. In addition to administering National programs, the center offers programs and services to meet regional and local needs.

Education Programs
NASA Goddard Space Flight Center
Mail Code 130
Greenbelt, MD 20771-0001
(301) 286-7206

NASA Regional Educator Resource Center (RERC)

To offer more educators the opportunity to visit the Educator Resource Center Network (ERCN), NASA forms partnerships with planetariums, universities, museums, and other nonprofit organizations to serve as RERCs. Teachers may preview or copy NASA materials upon request.

The City College
NASA Regional Educator Resource Center
Harris Hall, Room 109
Convent Avenue at 138th Street
New York, NY 10031
(212) 650-6993

Space Grant Consortium

The Space Grant Consortium in each State consists of colleges, universities, industry, and other organizations that have an interest in aeronautics and space education. Each consortium receives NASA funds for use in implementing a balanced program of research, education, and public service.

New York Space Grant Consortium
Department of Astronomy
Cornell University
318 Space Sciences Building
Ithaca, NY 14853
(607) 255-8544

▶National Science Foundation (NSF)

Statewide Systemic Initiatives (SSI) Program

The New York SSI Program's New Compact for Learning is a major reform in the State's six largest urban school districts: New York, Buffalo, Albany, Syracuse, Rochester, and Yonkers. Under this program, the districts develop or expand local partnerships. The State provides support through State field-based assistance teams, staff development efforts, and a school quality review program.

Edward Lalor
State Education Department
Washington Avenue
Albany, NY 12234
(518) 473-9471 / Fax: (518) 473-0858

Puerto Rico

▶Department of Agriculture (USDA)

4-H State Leader

The State 4-H Youth Development Programs are administered by the Cooperative Extension Service at land-grant universities. State 4-H leaders coordinate outreach services and training to all county offices.

Victor Rodriguez Vasquez, Acting State 4-H Leader
Cooperative Extension Service
College Station Building C
Mayaguez, PR 00708
(809) 832-4040 / Fax: (809) 865-3103

Ag in the Classroom State Leader

This program promotes increased understanding of agriculture and possible careers in the agricultural sciences. With National leadership provided by USDA, each State manages its own programs, with assistance from agribusiness, educational institutions, and government.

Dave Heilig
USDA/SCS
Caribbean Area State Office
G.P.O. Box 4868
San Juan, PR 00936
(809) 498-5206

▶Department of Commerce (DOC)

Jobos Bay National Estuarine Research Reserve

The reserve offers interpretive exhibits, in-school presentations, and guided canoe trips. Reservations are required.

Clara Mojica, Education Coordinator
Jobos Bay National Estuarine Research Reserve
Call Box B
Aguirre, PR 00704
(787) 853-4617 / Fax: (787) 853-4618

National Sea Grant College Program, Operation Pathfinder

The program consists of two-week summer courses that present an introduction to oceanographic and coastal processes. Courses are available in six regions and are designed to enhance skills in science teaching.

Sharon Walker
Mississippi-Alabama Sea Grant Consortium and Gulf Coast Research Laboratory
PO Box 7000
Ocean Springs, MS 39566-7000
(601) 374-5550 / Fax: (601) 374-5559

▶Department of Education (ED)

The Eisenhower Regional Alliance for Mathematics and Science Education Reform

The Eisenhower Regional Consortium provides information and technical assistance to help States and school districts improve mathematics and science education.

Mark Kaufman and Bob McLaughlin, Co-Directors
Eisenhower Regional Alliance for Mathematics and Science Education Reform
TERC
2067 Massachusetts Avenue
Cambridge, MA 02140
(617) 547-0430 / Fax: (617) 349-3535
WWW: http://www.ra.terc.edu

Eisenhower State Coordinators

Eisenhower State Coordinators administer the Eisenhower Professional Development Program State Formula grants. The program focuses on sustained and intensive high-quality professional development through inservice programs.

Acenet Bernacet
Eisenhower Professional Development Program
PO Box 190759
San Juan, PR 00919-0759
(809) 753-9255 / Fax: (809) 758-3090

Eisenhower State Coordinators for Higher Education

Eisenhower State Coordinators oversee the Eisenhower Professional Development State Formula Grants for the State Agency for Higher Education (SAHE). The program focuses on teacher enhancement through both inservice and preservice programs.

Delma Santiago
Eisenhower Professional Development Program
Puerto Rico Council of Higher Education
PO Box 19900-1900, U.P.R. Station
Rio Piedras, PR 00910
(809) 724-7100, ext. 2056

Northeast and Islands Regional Educational Laboratory at Brown University (LAB)

LAB identifies effective teaching techniques and school improvement efforts within the region and shares this information with State and local educators.

Dr. Phil Zarlengo, Executive Director
222 Richmond Street, Suite 300
Providence, RI 02903-4226
(800) 521-9550
(401) 274-9548 / Fax (401) 421-7650
WWW: http://www.vlab.brown.edu/

Southeast and Islands Regional Technology in Education Consortium (SEIR*TEC)

ED established the Regional Technology in Education Consortia (R*TEC) program in the fall of 1995 to help States, districts, schools, adult literacy centers, and other educational institutions use advanced technology to support improved teaching and student achievement. R*TEC's role in educational technology is unique in two ways: the emphasis is regional and the primary goal is to ensure that technology is used effectively to support school reform. Program strategies include professional development, technical assistance, and information dissemination.

Don Holznagel, Director
SEIR*TEC
41 Marietta Street NW, Suite 1000
Atlanta, GA 30303
(800) 659-3204
(404) 893-0100 / Fax: (404) 577-7812
E-mail: dholznag@serve.org
WWW: http://www.serve.org/seir-tec/

Deborah Williams, R*TEC Project Officer
U.S. Department of Education
Office of Educational Research and
Improvement
ORAD/SLSD, Room 504f
555 New Jersey Avenue NW
Washington, DC 20208-5644
(202) 219-2204
E-mail: Deborah_Williams@ed.gov

▶ Department of the Interior (DOI)

Project WILD

Project WILD offers teacher training and educational materials. Teacher guides, free to teachers who attend the training session, contain more than 80 supplementary, interdisciplinary activities for grades K–12.

Aileen T. Velazco
Department of Natural and Environmental
Resources
PO Box 5887
Puerta de Tierra
San Juan, PR 00906
(809) 725-8619 / Fax: (809) 724-0365

▶ Department of Labor (DOL)

Job Training Partnership Act (JTPA) Liaison

The JTPA Liaison can provide information about the Job Training Partnership Act State and local programs for economically disadvantaged adults and youth.

Ardin Teron, President
Technological-Occupational Education
Council
431 Ponce de Leon, 16th Floor
Hato Rey, PR 00918
(809) 754-5633 / Fax: (809) 763-0195

▶ Department of Transportation (DOT)

Federal Aviation Administration (FAA) Aviation Education

The FAA Aviation Education Representative coordinates aviation education services, including materials and programs for the FAA in the States assigned to the region.

Programs include the following:

- **The Aviation Career Education (ACE) Academy** is a one-week summer aviation education program for high school students sponsored by the FAA along with a host educational institution. The program provides students with diverse experiences in aviation career exploration. The focus is on aviation career clusters identified by FAA, with an emphasis on opportunities for women and minorities. A goal is to have one program in each State and U.S. Territory. The FAA will conduct regional leadership workshops and provide funds based on the availability of resources.
- **Aviation Education Workshops for Teachers** provide teachers with information on FAA aviation programs and materials and prepare them to teach aviation in the classroom. Annual workshops are conducted at colleges and universities across the Nation. The FAA provides information, materials, and speakers for the program.
- **National Congress on Aviation and Space Education** is sponsored annually by the FAA in partnership with the National Aeronautics and Space Administration and the Civil Air Patrol. The meeting includes teacher workshops and crosstalk sessions to exchange ideas on promoting aerospace education.

George Burnette, ASO-17B.1, FAA Aviation
Education Representative
1701 Columbia Avenue
College Park, GA 30337
(404) 305-5350 / Fax: (404) 305-5312

▶ Environmental Protection Agency (EPA)

EPA Regional Office

This office takes part in a variety of environmental education programs for both teachers and students. Programs range from teacher workshops and student contests to in-school presentations. Information on environmental issues is also available through the Public Information Center located at the office.

Terry Ippolito, Environmental Education
Coordinator
Environmental Protection Agency
290 Broadway, 26th Floor
New York, NY 10007
(212) 637-3671 / Fax: (212) 637-4445

The President's Environmental Youth Awards (PEYA) Program

Young people from each State are invited to participate in PEYA, a nationwide program designed to encourage individuals, school classes, summer camps, public interest groups, and youth organizations to promote environmental awareness and community involvement. The two components of the program are the regional certificate program and the National awards competition. Regional certificates, signed by the President, are awarded to each participant by EPA regional offices. National individual project winners, or one representative from a National award-winning group project, along with one sponsor, are honored at EPA headquarters in Washington, DC. Interested K–12 individuals or groups may obtain application materials and contest rules by contacting the EPA Regional Office that serves their State. PEYA has been an ongoing project since it was created by the White House Office of Education and the EPA in 1971.

EPA Region 2
290 Broadway, 26th Floor
New York, NY 10007
(212) 637-3678 / Fax: (212) 637-4445

▶ National Aeronautics and Space Administration (NASA)

NASA Educator Resource Center

The center has NASA-related educational materials in various formats, including laserdiscs, CD-ROMs, videotapes, slides, audiotapes, publications, and teacher guides. Educators may preview or copy NASA materials upon request.

Educators Resources Center
NASA John F. Kennedy Space Center
Mail Code ERC
Kennedy Space Center, FL 32899-0001
(407) 867-4090

NASA Field Centers

Each field center has an educational programs officer who is responsible for precollege education programs. In addition to administering National programs, the center offers programs and services to meet regional and local needs.

Steve Dutczak, Chief
Education Services Branch
NASA John F. Kennedy Space Center
Mail Code PA-ESB
Kennedy Space Center, FL 32899-0001
(407) 867-4444

Space Grant Consortium

The Space Grant Consortium in each State consists of colleges, universities, industry, and other organizations that have an interest in aeronautics and space education. Each consortium receives NASA funds for use in implementing a balanced program of research, education, and public service.

Puerto Rico Space Grant Consortium
University of Puerto Rico
Resource Center for Science and Engineering
PO Box 5000, College Station
Mayaguez, PR 00681-5000
(809) 831-1022

▶ National Science Foundation (NSF)

Statewide Systemic Initiatives (SSI) Program

Puerto Rico's SSI, a joint venture between the U.S. Department of Education Resource Center for Science and Engineering and the Puerto Rico General Council of Education, will focus on students' cognitive abilities and depth of scientific understanding; revise teacher preparation; promote community involvement; and develop new assessment methods.

Manuel Gomez
Resource Center for Science and Engineering
University of Puerto Rico
PO Box 23334, University Station
San Juan, PR 00931-3334
(809) 764-8369 / Fax: (809) 764-0625

Pedro Rodrigues-Esquerdo
Resource Center for Science and Engineering
University of Puerto Rico
PO Box 23334, University Station
San Juan, PR 00931-3334
(809) 764-7320 / Fax: (809) 751-0625

Rhode Island

▶ Department of Agriculture (USDA)

4-H State Leader

The State 4-H Youth Development Programs are administered by the Cooperative Extension Service at land-grant universities. State 4-H leaders coordinate outreach services and training to all county offices.

Dr. J. Whitney Bancroft, State 4-H
Coordinator
University of Rhode Island
Rodman Hall
Kingston, RI 02881-0804
(401) 792-2435 / Fax: (401) 874-4395
E-mail: jwbancr@uriacc.uri.edu

Ag in the Classroom State Leader

This program promotes increased understanding of agriculture and possible careers in the agricultural sciences. With National leadership provided by USDA, each State manages its own programs, with assistance from agribusiness, educational institutions, and government.

Carol Stamp
1 Stamp Place
South Country Trail
Exeter, RI 02822
(401) 783-7704

▶ Department of Commerce (DOC)

Narragansett Bay National Estuarine Research Reserve

Offsite estuarine education programs are conducted by naturalists at the reserve throughout the summer. Reservations are required. The reserve also offers on- and offsite exhibits about estuarine ecology and historical uses of the area.

Amy Costa, Education Coordinator
Narragansett Bay National Estuarine
Research Reserve
Department of Environmental Management
PO Box 151
Prudence Island, RI 02872
(401) 683-5061 / Fax: (401) 683-5061

National Sea Grant College Program, Operation Pathfinder

The program consists of two-week summer courses that present an introduction to oceanographic and coastal processes. Courses are available in six regions and are designed to enhance skills in science teaching.

Sharon Meeker
New Hampshire-Maine Sea Grant
Kingman Farm
University of New Hampshire
Durham, NH 03824-3512
(603) 749-1565 / Fax: (603) 743-3997

▶ Department of Defense (DoD)

Naval War College Museum

The college museum features exhibits on the history of naval warfare and also identifies the milestones in the evolution of war at sea, including technological advances.

Naval War College Museum
686 Cushing Road
Newport, RI 02841-1207
(401) 841-4052

▶ Department of Education (ED)

The Eisenhower Regional Alliance for Mathematics and Science Education Reform

The Eisenhower Regional Consortium provides information and technical assistance to help States and school districts improve mathematics and science education.

Mark Kaufman and Bob McLaughlin,
Co-Directors
Eisenhower Regional Alliance for
Mathematics and Science Education Reform
TERC
2067 Massachusetts Avenue
Cambridge, MA 02140
(617) 547-0430 / Fax: (617) 349-3535
WWW: http://www.ra.terc.edu

Eisenhower State Coordinators

Eisenhower State Coordinators administer the Eisenhower Professional Development Program State Formula grants. The program focuses on sustained and intensive high-quality professional development through inservice programs.

Richard Latham
Eisenhower Professional Development
Program
Rhode Island Department of Education
22 Hayes Street
Providence, RI 02908
(401) 277-6523 / Fax: (401) 277-6178

Eisenhower State Coordinators for Higher Education

Eisenhower State Coordinators oversee the Eisenhower Professional Development State Formula Grants for the State Agency for Higher Education (SAHE). The program focuses on teacher enhancement through both inservice and preservice programs.

Dr. Cynthia V. L. Ward or Chris Wessells
Eisenhower Professional Development
  Program
Rhode Island Office of Higher Education
301 Promenade Street
Providence, RI 02908-5720
(401) 277-6560 ext. 133
Fax: (401) 277-6111

Northeast Regional Technology in Education Consortium (NetTech)

ED established the Regional Technology in Education Consortia (R*TEC) program in the fall of 1995 to help States, districts, schools, adult literacy centers, and other educational institutions use advanced technology to support improved teaching and student achievement. R*TEC's role in educational technology is unique in two ways: the emphasis is regional and the primary goal is to ensure that technology is used effectively to support school reform. Program strategies include professional development, technical assistance, and information dissemination.

Bonnie Brownstein and Michael Ribaudo,
  Co-Directors
NetTech
City University of New York
555 West 57th Street
New York, NY 10019
(212) 541-0972 / Fax: (212) 541-0357
E-mail: blbbh@cunyvm.cuny.edu
WWW: http://www.nettech.org/

Kathy Fuller, R*TEC Project Officer
U.S. Department of Education
Office of Educational Research and
  Improvement
ORAD/SLSD, Room 506c
555 New Jersey Avenue NW
Washington, DC 20208-5644
(202) 219-2281
E-mail: Kathy_Fuller@ed.gov

Northeast and Islands Regional Educational Laboratory at Brown University (LAB)

LAB identifies effective teaching techniques and school improvement efforts within the region and shares this information with State and local educators.

Dr. Phil Zarlengo, Executive Director
222 Richmond Street, Suite 300
Providence, RI 02903-4226
(800) 521-9550
(401) 274-9548 / Fax (401) 421-7650
WWW: http://www.vlab.brown.edu/

▶ Department of the Interior (DOI)

Bureau of Land Management Eastern States Office

This office provides information about educational programs, materials, and local land-management issues.

Education Coordinator
Bureau of Land Management
7450 Boston Boulevard
Springfield, VA 22153
(703) 440-1713

Minerals Management Service (MMS) Regional Office

The MMS Regional Office provides a range of educational services. Teacher inservice programs and classroom visitations may include supplemental materials. Availability may be limited, but arrangements may be made for duplication of some materials at minimal cost.

Offshore Minerals Management Technical
  Communications Service
Minerals Management Service
381 Eldon Street, MS 4530
Herndon, VA 20170-4817
(703) 787-1080 / Fax: (703) 787-1186

Office of Communications & Governmental
  Affairs
Education Coordinator
Minerals Management Service
1849 C Street NW; LMS4230
Washington, DC 20240-0001
(202) 208-3985 / Fax: (202) 208-3968

Ninigret National Wildlife Refuge

The refuge offers a wildlife management and environmental education program for students of all ages. Outreach programs, teacher workshops, and field trips are also sponsored.

Outdoor Recreation Planner
Shoreline Plaza, Route 1A
PO Box 307
Charlestown, RI 02813
(401) 364-9124 / Fax: (401) 364-0170

Project WILD

Project WILD offers teacher training and educational materials. Teacher guides, free to teachers who attend the training session, contain more than 80 supplementary, interdisciplinary activities for grades K–12.

Chris Dudley, Project WILD Coordinator
Rhode Island Division of Fish and Wildlife
PO Box 218
West Kingston, RI 02892
(401) 789-0281 / Fax: (401) 783-7490

▶ Department of Labor (DOL)

Job Training Partnership Act (JTPA) Liaison

The JTPA Liaison can provide information about the Job Training Partnership Act State and local programs for economically disadvantaged adults and youth.

Marvin D. Perry, Director
Job Training Partnership Office
Rhode Island Department of Employment
  and Training
101 Friendship Street
Providence, RI 02903-3740
(401) 277-3600 / Fax: (401) 277-2731

▶ Department of Transportation (DOT)

Federal Aviation Administration (FAA) Aviation Education

The FAA Aviation Education Representative coordinates aviation education services, including materials and programs for the FAA in the States assigned to the region.

Programs include the following:

- **The Aviation Career Education (ACE) Academy** is a one-week summer aviation education program for high school students sponsored by the FAA along with a host educational institution. The program provides students with diverse experiences in aviation career exploration. The focus is on aviation career clusters identified by FAA, with an emphasis on opportunities for women and minorities. A goal is to have one program in each State and U.S. Territory. The FAA will conduct regional leadership workshops and provide funds based on the availability of resources.
- **Aviation Education Workshops for Teachers** provide teachers with information on FAA aviation programs and materials and prepare them to teach aviation in the classroom. Annual workshops are conducted at colleges and universities across the Nation. The FAA provides information, materials, and speakers for the program.
- **National Congress on Aviation and Space Education** is sponsored annually by the FAA in partnership with the National Aeronautics and Space Administration and the Civil Air Patrol. The meeting includes teacher workshops and crosstalk sessions to exchange ideas on promoting aerospace education.

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Sheila Bauer, ANE-45, FAA Aviation
Education Representative
12 New England Executive Park
Burlington, MA 01803
(617) 238-7378 / Fax: (617) 238-7007

FAA Aviation Education Resource Centers

Located at colleges, museums, and State aviation authority offices, these centers function as information distribution centers for Federal Aviation Administration education materials and resources. The Resource Centers maintain and provide quantities of printed materials, videotapes, and computer educational software. Center personnel can also provide general information, conduct workshops, and make aviation-related presentations.

Anthony Gagliardi
Aviation Education Resource Center
Warwick Public Schools
Warwick Career and Technical School
575 Centerville Road
Warwick, RI 02886
(401) 737-3300

▶ Environmental Protection Agency (EPA)

Environmental Research Laboratory

Students have the opportunity to interact directly with scientists at the laboratory through a mentorship program.

U.S. Environmental Protection Agency
Environmental Research Laboratory
South Ferry Road
Narragansett, RI 02882
(401) 782-3028

EPA Regional Office

This office takes part in a variety of environmental education programs for both teachers and students. Programs range from teacher workshops and student contests to in-school presentations. Information on environmental issues is also available through the Public Information Center located at the office.

Maria Pirie, Environmental Education
Coordinator
Environmental Protection Agency
JFK Federal Building (RPM)
Boston, MA 02203
(617) 565-9447 / Fax: (617) 565-3415

The President's Environmental Youth Awards (PEYA) Program

Young people from each State are invited to participate in PEYA, a nationwide program designed to encourage individuals, school classes, summer camps, public interest groups, and youth organizations to promote environmental awareness and community involvement. The two components of the program are the regional certificate program and the National awards competition. Regional certificates, signed by the President, are awarded to each participant by EPA regional offices. National individual project winners, or one representative from a National award-winning group project, along with one sponsor, are honored at EPA headquarters in Washington, DC. Interested K–12 individuals or groups may obtain application materials and contest rules by contacting the EPA Regional Office that serves their State. PEYA has been an ongoing project since it was created by the White House Office of Education and the EPA in 1971.

EPA Region 1
JFK Federal Building
Boston, MA 02203
(617) 565-9447 / Fax: (617) 565-3415

▶ National Aeronautics and Space Administration (NASA)

NASA Educator Resource Center

The center has NASA-related educational materials in various formats, including laserdiscs, CD-ROMs, videotapes, slides, audiotapes, publications, and teacher guides. Educators may preview or copy NASA materials upon request.

Educator Resource Laboratory
NASA Goddard Space Flight Center
Mail Code 130.3
Greenbelt, MD 20771-0001
(301) 286-8570

NASA Field Centers

Each field center has an educational programs officer who is responsible for precollege education programs. In addition to administering National programs, the center offers programs and services to meet regional and local needs.

Education Programs
NASA Goddard Space Flight Center
Mail Code 130
Greenbelt, MD 20771-0001
(301) 286-7206

NASA Regional Educator Resource Center (RERC)

To offer more educators the opportunity to visit the Educator Resource Center Network (ERCN), NASA forms partnerships with planetariums, universities, museums, and other nonprofit organizations to serve as RERCs. Teachers may preview or copy NASA materials upon request.

Rhode Island College
NASA Regional Educator Resource Center
Curriculum Resources Center
600 Mount Pleasant Avenue
Providence, RI 02908
(401) 456-8567/8065

Space Grant Consortium

The Space Grant Consortium in each State consists of colleges, universities, industry, and other organizations that have an interest in aeronautics and space education. Each consortium receives NASA funds for use in implementing a balanced program of research, education, and public service.

Rhode Island Space Grant Consortium
Department of Geological Sciences
Box 1846
Brown University
Providence, RI 02912-1846
(401) 863-2417

Vermont

▶ Department of Agriculture (USDA)

4-H State Leader

The State 4-H Youth Development Programs are administered by the Cooperative Extension Service at land-grant universities. State 4-H leaders coordinate outreach services and training to all county offices.

Dr. Mary Carlson, 4-H Youth Development
Specialist
University of Vermont
102B Morrill Hall
Burlington, VT 05405
(802) 656-0311 / Fax: (802) 656-1423
E-mail: mcarlson@moose.uvm.edu

Ag in the Classroom State Leader

This program promotes increased understanding of agriculture and possible careers in the agricultural sciences. With National leadership provided by USDA, each State manages its own programs, with assistance from agribusiness, educational institutions, and government.

Megan Camp
Shelburne Farms
Shelburne, VT 05482
(802) 985-8686 / Fax: (802) 985-8498

Susan R. Duerst
Vermont Farm Bureau
RR2 Box 123
Richmond, VT 05477

▶ Department of Education (ED)

The Eisenhower Regional Alliance for Mathematics and Science Education Reform

The Eisenhower Regional Consortium provides information and technical assistance to help States and school districts improve mathematics and science education.

Mark Kaufman and Bob McLaughlin, Co-Directors
Eisenhower Regional Alliance for Mathematics and Science Education Reform
TERC
2067 Massachusetts Avenue
Cambridge, MA 02140
(617) 547-0430 / Fax: (617) 349-3535
WWW: http://www.ra.terc.edu

Eisenhower State Coordinators

Eisenhower State Coordinators administer the Eisenhower Professional Development Program State Formula grants. The program focuses on sustained and intensive high-quality professional development through inservice programs.

Peg Meyer, Eisenhower Professional Development Coordinator
Eisenhower Professional Development Program
Vermont Department of Education
120 State Street
Montpelier, VT 05602
(802) 828-3111 / Fax: (802) 828-3140 or 3146

Eisenhower State Coordinators for Higher Education

Eisenhower State Coordinators oversee the Eisenhower Professional Development State Formula Grants for the State Agency for Higher Education (SAHE). The program focuses on teacher enhancement through both inservice and preservice programs.

Robert Kenney
Eisenhower Professional Development Program
Vermont Department of Education
120 State Street
Montpelier, VT 05602
(802) 828-3111 / Fax: (802) 828-3140

Northeast Regional Technology in Education Consortium (NetTech)

ED established the Regional Technology in Education Consortia (R*TEC) program in the fall of 1995 to help States, districts, schools, adult literacy centers, and other educational institutions use advanced technology to support improved teaching and student achievement. R*TEC's role in educational technology is unique in two ways: the emphasis is regional and the primary goal is to ensure that technology is used effectively to support school reform. Program strategies include professional development, technical assistance, and information dissemination.

Bonnie Brownstein and Michael Ribaudo, Co-Directors
NetTech
City University of New York
555 West 57th Street
New York, NY 10019
(212) 541-0972 / Fax: (212) 541-0357
E-mail: blbbh@cunyvm.cuny.edu
WWW: http://www.nettech.org/

Kathy Fuller, R*TEC Project Officer
U.S. Department of Education
Office of Educational Research and Improvement
ORAD/SLSD, Room 506c
555 New Jersey Avenue NW
Washington, DC 20208-5644
(202) 219-2281
E-mail: Kathy_Fuller@ed.gov

Northeast and Islands Regional Educational Laboratory at Brown University (LAB)

LAB identifies effective teaching techniques and school improvement efforts within the region and shares this information with State and local educators.

Dr. Phil Zarlengo, Executive Director
222 Richmond Street, Suite 300
Providence, RI 02903-4226
(800) 521-9550
(401) 274-9548 / Fax (401) 421-7650
WWW: http://www.vlab.brown.edu/

▶ Department of the Interior (DOI)

Lake Champlain Fish and Wildlife Resources Office

In the program Atlantic Salmon Restoration in the Connecticut River, students are given a slide show/discussion on the Atlantic salmon program and the biology of the Atlantic salmon. They also tour a salmon fish hatchery and assist by stocking Atlantic salmon in tributaries of the Connecticut River.

Carl F. Baren, Coordinator
Lake Champlain Fish and Wildlife Resources Office
11 Lincoln Street
Essex Junction, VT 05452
(802) 951-6313 / Fax: (802) 951-6315
E-mail: r5fa_lcfwro@5ha~main1

Bureau of Land Management Eastern States Office

This office provides information about educational programs, materials, and local land-management issues.

Education Coordinator
Bureau of Land Management
7450 Boston Boulevard
Springfield, VA 22153
(703) 440-1713

Minerals Management Service (MMS) Regional Office

The MMS Regional Office provides a range of educational services. Teacher inservice programs and classroom visitations may include supplemental materials. Availability may be limited, but arrangements may be made for duplication of some materials at minimal cost.

Offshore Minerals Management Technical Communications Service
Minerals Management Service
381 Eldon Street, MS 4530
Herndon, VA 20170-4817
(703) 787-1080 / Fax: (703) 787-1186

Office of Communications & Governmental Affairs
Education Coordinator
Minerals Management Service
1849 C Street NW, LMS4230
Washington, DC 20240-0001
(202) 208-3985 / Fax: (202) 208-3968

Project WILD

Project WILD offers teacher training and educational materials. Teacher guides, free to teachers who attend the training session, contain more than 80 supplementary, interdisciplinary activities for grades K–12.

Mark Scott, Project WILD Coordinator
Department of Fish and Wildlife
103 South Main Street
Waterbury, VT 05676
(802) 241-3700 / Fax: (802) 241-3295

▶ Department of Labor (DOL)

Job Training Partnership Act (JTPA) Liaison

The JTPA Liaison can provide information about the Job Training Partnership Act State and local programs for economically disadvantaged adults and youth.

Robert Ware, Job Training Partnership Act Liaison
Department of Employment and Training
PO Box 488, 5 Green Mountain Drive
Montpelier, VT 05601-0488
(802) 828-4300 / Fax: (802) 828-4022

▶ Department of Transportation (DOT)

Federal Aviation Administration (FAA) Aviation Education

The FAA Aviation Education Representative coordinates aviation education services, including materials and programs for the FAA in the States assigned to the region.

Programs include the following:

- **The Aviation Career Education (ACE) Academy** is a one-week summer aviation education program for high school students sponsored by the FAA along with a host educational institution. The program provides students with diverse experiences in aviation career exploration. The focus is on aviation career clusters identified by FAA, with an emphasis on opportunities for women and minorities. A goal is to have one program in each State and U.S. Territory. The FAA will conduct regional leadership workshops and provide funds based on the availability of resources.
- **Aviation Education Workshops for Teachers** provide teachers with information on FAA aviation programs and materials and prepare them to teach aviation in the classroom. Annual workshops are conducted at colleges and universities across the Nation. The FAA provides information, materials, and speakers for the program.
- **National Congress on Aviation and Space Education** is sponsored annually by the FAA in partnership with the National Aeronautics and Space Administration and the Civil Air Patrol. The meeting includes teacher workshops and crosstalk sessions to exchange ideas on promoting aerospace education.

Sheila Bauer, ANE-45, FAA Aviation Education Representative
12 New England Executive Park
Burlington, MA 01803
(617) 238-7378 / Fax: (617) 238-7007

FAA Aviation Education Resource Centers

Located at colleges, museums, and State aviation authority offices, these centers function as information distribution centers for Federal Aviation Administration education materials and resources. The Resource Centers maintain and provide quantities of printed materials, videotapes, and computer educational software. Center personnel can also provide general information, conduct workshops, and make aviation-related presentations.

John Barney, Vocational Director
Aviation Education Resource Center
St. Johnsbury Academy
St. Johnsbury, VT 05816
(802) 748-8171

Rick Sylvester, Aviation Instructor
State of Vermont
RM A-322 Burlington Technical Center
52 Institute
Burlington, VT 05401
(808) 864-8424

▶ Environmental Protection Agency (EPA)

EPA Regional Office

This office takes part in a variety of environmental education programs for both teachers and students. Programs range from teacher workshops and student contests to in-school presentations. Information on environmental issues is also available through the Public Information Center located at the office.

Maria Pirie, Environmental Education Coordinator
Environmental Protection Agency
JFK Federal Building (RPM)
Boston, MA 02203
(617) 565-9447 / Fax: (617) 565-3415

The President's Environmental Youth Awards (PEYA) Program

Young people from each State are invited to participate in PEYA, a nationwide program designed to encourage individuals, school classes, summer camps, public interest groups, and youth organizations to promote environmental awareness and community involvement. The two components of the program are the regional certificate program and the National awards competition. Regional certificates, signed by the President, are awarded to each participant by EPA regional offices. National individual project winners, or one representative from a National award-winning group project, along with one sponsor, are honored at EPA headquarters in Washington, DC. Interested K–12 individuals or groups may obtain application materials and contest rules by contacting the EPA Regional Office that serves their State. PEYA has been an ongoing project since it was created by the White House Office of Education and the EPA in 1971.

EPA Region 1
JFK Federal Building
Boston, MA 02203
(617) 565-9447 / Fax: (617) 565-3415

▶ National Aeronautics and Space Administration (NASA)

NASA Educator Resource Center

The center has NASA-related educational materials in various formats, including laserdiscs, CD-ROMs, videotapes, slides, audiotapes, publications, and teacher guides. Educators may preview or copy NASA materials upon request.

Educator Resource Laboratory
NASA Goddard Space Flight Center
Mail Code 130.3
Greenbelt, MD 20771-0001
(301) 286-8570

NASA Field Centers

Each field center has an educational programs officer who is responsible for precollege education programs. In addition to administering National programs, the center offers programs and services to meet regional and local needs.

Education Programs
NASA Goddard Space Flight Center
Mail Code 130
Greenbelt, MD 20771-0001
(301) 286-7206

NASA Regional Educator Resource Center (RERC)

To offer more educators the opportunity to visit the Educator Resource Center Network (ERCN), NASA forms partnerships with planetariums, universities, museums, and other nonprofit organizations to serve as RERCs. Teachers may preview or copy NASA materials upon request.

Norwich University
Vermont College Educational Resource Center
NASA Regional Educator Resource Center
Schulmaier Hall
Montpelier, VT 05602
(802) 828-8845

Space Grant Consortium

The Space Grant Consortium in each State consists of colleges, universities, industry, and other organizations that have an interest in aeronautics and space education. Each consortium receives NASA funds for use in implementing a balanced program of research, education, and public service.

Vermont Space Grant Consortium
University of Vermont
Department of Mathematics and Statistics
College of Engineering and Mathematics
16 Colchester Avenue
Burlington, VT 05405
(802) 656-2940

▶ National Science Foundation (NSF)

Statewide Systemic Initiatives (SSI) Program

The major components of Vermont's SSI Program are the statewide curriculum framework; intensive development of the teaching staff; new performance assessments; and a statewide telecomputing network linking schools, business, and higher education.

Frank Watson
Vermont SSI
PO Box 310
Waterbury Center, VT 05677-0310
(802) 244-8768

Virgin Islands

▶ Department of Agriculture (USDA)

4-H State Leader

The State 4-H Youth Development Programs are administered by the Cooperative Extension Service at land-grant universities. State 4-H leaders coordinate outreach services and training to all county offices.

Zoraida Jacobs, Program Leader, 4-H
University of the Virgin Islands
Rural Route 02, Box 10,000 Kingshill
St. Croix, VI 00850
(809) 692-4088 / Fax: (809) 692-4085

Ag in the Classroom State Leader

This program promotes increased understanding of agriculture and possible careers in the agricultural sciences. With National leadership provided by USDA, each State manages its own programs, with assistance from agribusiness, educational institutions, and government.

Otis Hicks
PO Box 804
Christianstad, St. Croix, VI 00821-0804
(809) 773-0758

Eric Bough
Department of Economic Development and
Agriculture
St. Croix, VI 00850
(809) 778-0991

▶ Department of Education (ED)

The Eisenhower Regional Alliance for Mathematics and Science Education Reform

The Eisenhower Regional Consortium provides information and technical assistance to help States and school districts improve mathematics and science education.

Mark Kaufman and Bob McLaughlin,
Co-Directors
Eisenhower Regional Alliance for
Mathematics and Science Education Reform
TERC
2067 Massachusetts Avenue
Cambridge, MA 02140
(617) 547-0430 / Fax: (617) 349-3535
WWW: http://www.ra.terc.edu

Northeast and Islands Regional Educational Laboratory at Brown University (LAB)

LAB identifies effective teaching techniques and school improvement efforts within the region and shares this information with State and local educators.

Dr. Phil Zarlengo, Executive Director
222 Richmond Street, Suite 300
Providence, RI 02903-4226
(800) 521-9550
(401) 274-9548 / Fax (401) 421-7650
WWW: http://www.vlab.brown.edu/

Southeast and Islands Regional Technology in Education Consortium (SEIR*TEC)

ED established the Regional Technology in Education Consortia (R*TEC) program in the fall of 1995 to help States, districts, schools, adult literacy centers, and other educational institutions use advanced technology to support improved teaching and student achievement. R*TEC's role in educational technology is unique in two ways: the emphasis is regional and the primary goal is to ensure that technology is used effectively to support school reform. Program strategies include professional development, technical assistance, and information dissemination.

Don Holznagel, Director
SEIR*TEC
41 Marietta Street NW, Suite 1000
Atlanta, GA 30303
(800) 659-3204
(404) 893-0100 / Fax: (404) 577-7812
E-mail: dholznag@serve.org
WWW: http://www.serve.org/seir-tec/

Deborah Williams, R*TEC Project Officer
U.S. Department of Education
Office of Educational Research and
Improvement
ORAD/SLSD, Room 504f
555 New Jersey Avenue NW
Washington, DC 20208-5644
(202) 219-2204
E-mail: Deborah_Williams@ed.gov

▶ Department of Labor (DOL)

Job Training Partnership Act (JTPA) Liaison

The JTPA Liaison can provide information about the Job Training Partnership Act State and local programs for economically disadvantaged adults and youth.

Carol M. Burke, Assistant Commissioner
Employment and Training
Virgin Islands Department of Labor
7 and 8 Queen Streets, C'sted
St. Croix, VI 00820
(809) 773-1994 / Fax: (809) 773-1515

▶ Department of Transportation (DOT)

Federal Aviation Administration (FAA) Aviation Education

The FAA Aviation Education Representative coordinates aviation education services, including materials and programs for the FAA in the States assigned to the region.

Programs include the following:

- **The Aviation Career Education (ACE) Academy** is a one-week summer aviation education program for high school students sponsored by the FAA along with a host educational institution. The program provides students with diverse experiences in aviation career exploration. The focus is on aviation career clusters identified by FAA, with an emphasis on opportunities for women and minorities. A goal is to have one program in each State and U.S. Territory. The FAA will conduct regional leadership workshops and provide funds based on the availability of resources.

- **Aviation Education Workshops for Teachers** provide teachers with information on FAA aviation programs and materials and prepare them to teach aviation in the classroom. Annual workshops are conducted at colleges and universities across the Nation. The FAA provides information, materials, and speakers for the program.
- **National Congress on Aviation and Space Education** is sponsored annually by the FAA in partnership with the National Aeronautics and Space Administration and the Civil Air Patrol. The meeting includes teacher workshops and crosstalk sessions to exchange ideas on promoting aerospace education.

George Burnette, ASO-17B.1, FAA Aviation Education Representative
1701 Columbia Avenue
College Park, GA 30337
(404) 305-5350 / Fax: (404) 305-5312

▶Environmental Protection Agency (EPA)

EPA Regional Office

This office takes part in a variety of environmental education programs for both teachers and students. Programs range from teacher workshops and student contests to in-school presentations. Information on environmental issues is also available through the Public Information Center located at the office.

Terry Ippolito, Environmental Education Coordinator
Environmental Protection Agency
290 Broadway, 26th Floor
New York, NY 10007
(212) 637-3671 / Fax: (212) 637-4445

The President's Environmental Youth Awards (PEYA) Program

Young people from each State are invited to participate in PEYA, a nationwide program designed to encourage individuals, school classes, summer camps, public interest groups, and youth organizations to promote environmental awareness and community involvement. The two components of the program are the regional certificate program and the National awards competition. Regional certificates, signed by the President, are awarded to each participant by EPA regional offices. National individual project winners, or one representative from a National award-winning group project, along with one sponsor, are honored at EPA headquarters in Washington, DC. Interested K-12 individuals or groups may obtain application materials and contest rules by contacting the EPA Regional Office that serves their State. PEYA has been an ongoing project since it was created by the White House Office of Education and the EPA in 1971.

EPA Region 2
290 Broadway, 26th Floor
New York, NY 10007
(212) 637-3678 / Fax: (212) 637-4445

▶National Aeronautics and Space Administration (NASA)

NASA Educator Resource Center

The center has NASA-related educational materials in various formats, including laserdiscs, CD-ROMs, videotapes, slides, audiotapes, publications, and teacher guides. Educators may preview or copy NASA materials upon request.

NASA John F. Kennedy Space Center
Educator Resource Center
Mail Code ERC
Kennedy Space Center, FL 32899-0001
(407) 867-4090

NASA Field Centers

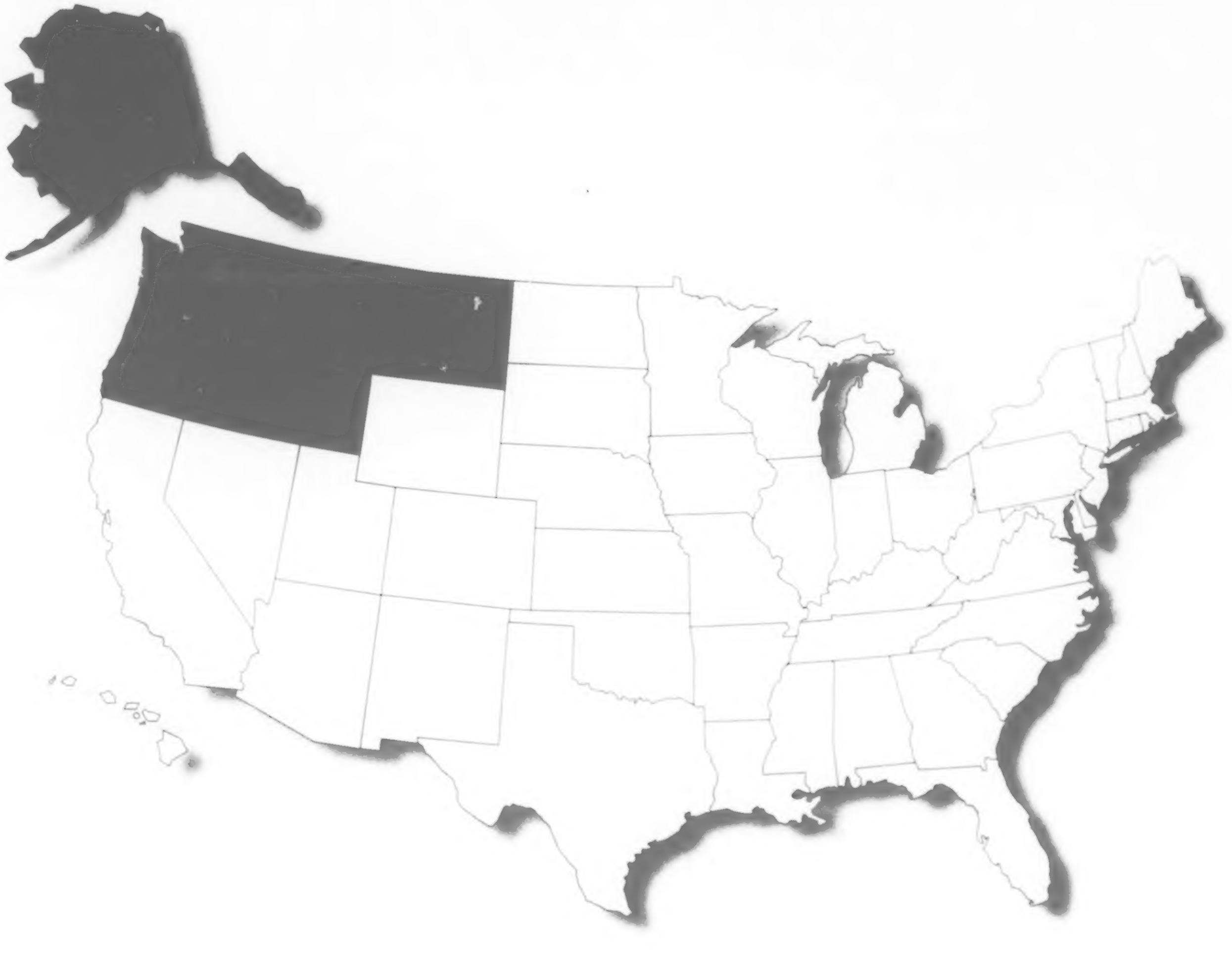
Each field center has an educational programs officer who is responsible for precollege education programs. In addition to administering National programs, the center offers programs and services to meet regional and local needs.

Steve Dutczak, Chief
Education Services Branch
NASA John F. Kennedy Space Center
Mail Code PA-ESB
Kennedy Space Center, FL 32899-0001
(407) 867-4444

- **Alaska**
- **Idaho**
- **Montana**
- **Oregon**
- **Washington**

Northwest Region

Science and Mathematics Consortium for Northwest Schools



Science and Mathematics Consortium for Northwest Schools

The Science and Mathematics Consortium for Northwest Schools (SMCNWS) project, conducted by The Columbia Education Center (CEC), serves schools and agencies in Alaska, Idaho, Montana, Oregon, and Washington. SMCNWS is one of 10 Regional Consortia across the country. The Consortium is an integral part of a National effort to improve mathematics and science education led by the Eisenhower Federal Activities Program, administered by the Office of Educational Research and Improvement (OERI) of the U.S. Department of Education.

SMCNWS seeks to help improve the mathematics and science education in the Northwest's K–12 schools by forming a consortium of education-related agencies in the Northwest, and providing catalytic support and assistance to the reform efforts of these agencies.

The Consortium is not defined as those individuals employed by the project. It is better thought of as the sum total of the partnerships we create with other stakeholders in mathematics and science education in the region and Nationally. These stakeholders represent a broad spectrum of those concerned with education: State Departments of Education, State math and science professional organizations, other education-related nonprofit organizations, school districts, schools, and teachers, corporate educational outreach departments, informal math and science agencies, community members.

As part of this consortium, we rarely operate independently. Rather, almost every initiative we undertake is done in partnership with one or more consortium members, each bringing resources to accomplish purposes none could do as easily or effectively alone.

Philosophy and Beliefs

SMCNWS believes that educational improvement begins in the classroom. Teachers are professionals; they want to learn and apply new teaching methods and approaches. Teachers recognize that continued professional development is a necessary—and a desirable—element of a successful teaching career. Given the opportunity and support, teachers will seek out such training and become enthusiastic agents of lasting change and improvement in classroom outcomes.

SMCNWS honors and respects teachers as the primary agents of educational improvement. It is the belief of SMCNWS that teachers are fully capable of determining appropriate professional development activities. Within the framework of the various National science and mathematics standards, each State's reform efforts, and the teacher's district and building-wide effort to align with these standards, we believe that teams of teachers are the best "units of reform." Given the opportunity and access to appropriate technical assistance, teams of teachers can both design and implement sustained professional development programs that are congruent with district, State, and National reform efforts.

The SMCNWS philosophy is to empower teachers to undertake such initiatives. More than 20 percent of the annual budget is devoted to direct support of teams of teachers who, with the support of the district superintendent and technical assistance of SMCNWS, propose, design, and implement staff development activities that will further systemic reform in mathematics and science education in their districts.

Typical SMCNWS Project Activities

- Collecting, organizing, evaluating, and distributing lists of promising and exemplary science and math programs.
- Promoting the use of resources and expertise available at "informal" science and mathematics education providers by "formal" science and mathematics education agencies.
- Collecting and distributing free and inexpensive samples and materials available from developers of innovative science and math resources in the region and the Nation.
- Collecting and distributing information about sources of "outside" funding available to schools involved in science and math education reform initiatives and helping teachers, administrators, and other educators access these funds by providing technical assistance in proposal development.
- Providing technical assistance in planning, conducting, and evaluating local staff development activities related to emerging priorities and needs in science and mathematics education. (On some limited occasions, SMCNWS will provide partial, leveraged financial support for high-priority staff development activities linked to system-wide reform plans.)
- Assisting in identifying and obtaining the services of qualified personnel to help local and State agencies and organizations establish and address emerging priorities in science and mathematics education.
- Assisting regional institutions and agencies in publicizing and recruiting participants for their staff development activities.
- Providing opportunities for State and local educators to participate in awareness programs that introduce exemplary National programs such as Project 2061, Equity 2000, and Eisenhower National Clearinghouse.
- Planning and conducting institutes, workshops, and seminars to prepare cadres of teachers for leadership roles in local and State staff development activities related to topics such as educational equity, technology in the classroom, frameworks and standards, and assessment.
- Expanding the regional capacity to use the resources and services of the Eisenhower National Clearinghouse for Mathematics and Science Education by establishing multiple ENC Access Centers at sites throughout the Northwest.
- Assisting educators to respond to the information and implications of the Third International Math and Science Study (TIMSS).
- Maintaining an Internet presence through a World Wide Web site, http://www/col-

ed.org/smcnws/, that includes information about all SMCNWS project activities and ensures access to project resources and services.

The essential consideration facing SMCNWS is how to help the communities, schools, and personnel that are ultimately responsible for bringing about systemic reform in science and mathematics education.

The regional approach must be coordinated. While SMCNWS cannot do it all, it can serve as a catalyst in identifying resources and assisting with the organization of a joint effort. The guiding principle of SMCNWS is to support regionally agreed upon goals and objectives in concert with all stakeholders.

Dr. Ralph T. Nelsen,
Director

Rob Kremer,
Administrative Coordinator

Chris Martinsen,
Technology Coordinator

Stephanie Hoag,
Alaska Coordinator

Barbara Eisenbarth,
Idaho Coordinator

Patricia Johnson,
Montana Coordinator

Carrie Grether,
Oregon Coordinator

Andrea Anderson,
Washington Co-Coordinator

Richard Mariotti,
Washington Co-Coordinator

John Nelsen,
CEC Associate

Joy Wallace,
CEC Associate

Kam McCowan,
ENC Demo Site Coordinator

Science and Mathematics Consortium for Northwest Schools (SMCNWS)
Columbia Education Center
171 NE 102nd Ave
Portland, OR 97220-4169
(503) 252-4999 / Fax: (503) 252-4866
WWW: http://www.col-ed.org/smcnws/

Alaska

▶Department of Agriculture (USDA)

4-H State Leader

The State 4-H Youth Development Programs are administered by the Cooperative Extension Service at land-grant universities. State 4-H leaders coordinate outreach services and training to all county offices.

Dr. Dennis Crawford, 4-H State Program Leader
University of Alaska at Fairbanks
193 Arctic Health Research Building, Room 123
Fairbanks, AK 99775-5200
(907) 474-5632 / Fax: (907) 474-5139
E-mail: ffdlc@aurora.alaska.edu

Ag in the Classroom State Leader

This program promotes increased understanding of agriculture and possible careers in the agricultural sciences. With National leadership provided by USDA, each State manages its own programs, with assistance from agribusiness, educational institutions, and government.

Ted Berry
University of Alaska
PO Box 62
Willow, AK 99688-0062
(907) 495-1018 / Fax: (907) 495-1264

▶Department of Commerce (DOC)

National Sea Grant College Program, Operation Pathfinder

The program consists of two-week summer courses that present an introduction to oceanographic and coastal processes. Courses are available in six regions and are designed to enhance skills in science teaching.

Michael Spranger
Washington Sea Grant
University of Washington, HG-3
3716 Brooklyn Avenue NE
Seattle, WA 98105-6716
(206) 543-6600 / Fax: (206) 685-0380

▶Department of Education (ED)

Eisenhower State Coordinators

Eisenhower State Coordinators administer the Eisenhower Professional Development Program State Formula grants. The program focuses on sustained and intensive high-quality professional development through inservice programs.

Nanci Spear
Eisenhower Professional Development Program
Alaska Department of Education
801 West 10th Street, Suite 200
Juneau, AK 99801-1894
(907) 465-8718 / Fax: (907) 465-3396

Eisenhower State Coordinators for Higher Education

Eisenhower State Coordinators oversee the Eisenhower Professional Development State Formula Grants for the State Agency for Higher Education (SAHE). The program focuses on teacher enhancement through both inservice and preservice programs.

Nanci Spear
Eisenhower Professional Development Program
Alaska Department of Education
801 West 10th Street, Suite 200
Juneau, AK 99801-1894
(907) 465-8718 / Fax: (907) 465-3396

Northwest Educational Technology Consortium (NETC)

ED established the Regional Technology in Education Consortia (R*TEC) program in the fall of 1995 to help States, districts, schools, adult literacy centers, and other educational institutions use advanced technology to support improved teaching and student achievement. R*TEC's role in educational technology is unique in two ways: the emphasis is regional and the primary goal is to ensure that technology is used effectively to support school reform. R*TEC program strategies include professional development, technical assistance, and information dissemination.

Seymour Hanfling, Director
Technology Program
NETC
101 SW Main Street, Suite 500
Portland, OR 97204-3297
(503) 275-9500 / Fax: (503) 275-9584
E-mail: hanflins@nwrel.org
WWW: http://www.netc.org

Gerald Malitz, R*TEC Project Officer
U.S. Department of Education
Office of Educational Research and Improvement
NCES, Room 410c
555 New Jersey Avenue NW
Washington, DC 20208-5651
(202) 219-1364
E-mail: gmalitz@inet.ed.gov

Northwest Regional Educational Laboratory (NWREL)

NWREL identifies effective teaching techniques and school improvement efforts within the region and shares this information with State and local educators.

Ethel Simon-McWilliams, Executive Director
Northwest Regional Educational Laboratory
101 SW Main Street, Suite 500
Portland, OR 97204-3212
(503) 275-9500 / Fax: (503) 275-9489
WWW: http://www.nwrel.org

Science and Mathematics Consortium for Northwest Schools

The Eisenhower Regional Consortium provides information and technical assistance to help States and school districts improve mathematics and science education.

Dr. Ralph T. Nelsen, Director
Science and Mathematics Consortium for Northwest Schools (SMCNWS)
Columbia Education Center
171 NE 102nd Avenue
Portland, OR 97220-4169
(503) 252-4999 / Fax: (503) 252-4866
E-mail: 76106.3006@compuserve.com
WWW: http://www.col-ed.org/smcnws/

▶Department of the Interior (DOI)

Alaska Maritime National Wildlife Refuge

Pribilof Stewardship Camp is a summer nature camp for children, mainly Aleuts, of the Pribilof Islands. Day and overnight activities are designed to teach children about the natural and human history of their island. The goal is to combine traditional Aleut knowledge with western science.

In the Shorebird Sister Schools Project, schools along the Pacific flyway from southern California to Nome, Alaska, are linked via America Online to study the shorebird migration every April and May. Participant schools are selected from key migration stopover areas. Curriculum, flyway maps, and local experts are supplied. A field trip is required.

Poppy Benson, Outdoor Recreation Planner
Alaska Maritime National Wildlife Refuge
2355 Kachemak Bay Drive, Suite 101
Homer, AK 99603
(907) 235-6546 / Fax: (907) 235-7783

Anchorage, Alaska, Public Lands Information Center

In addition to educational programs on the cultural and natural histories of Alaska, the center loans educational materials to teachers.

Anchorage, Alaska, Public Lands Information Center
605 West Fourth Avenue
Anchorage, AK 99501
(907) 271-2737

Bureau of Land Management Anchorage District Office

Alaska Outdoor Week involves individuals from many different agencies and groups to present lessons to students on outdoor skills and environmental and natural resource education. Students receive five lessons during a one-day visit.

Other programs include the following:

- **Campbell Creek Science Center** was built to provide outdoor learning experiences, promote land stewardship, and function as a regional resource for environmental education. School groups, scout groups, and other civic groups may reserve the center for environmental education purposes. Participants can explore the rippling creeks and quiet forests of Campbell Tract, discover the area's wildlife and wildflowers, and understand the role people play in the local and global environment. The center features a 10,500 square-foot central building with kitchen, dining room, greenhouse, interpretive displays, and living stream aquarium.
- **The Campbell Tract Biological Inventories** program relies on community volunteers to perform a variety of inventories (such as plant surveys, breeding bird surveys, insect inventories, mushroom inventories, and lichen studies) to learn what lives on Campbell Tract, Anchorage's backyard wildland.
- **Campbell Tract Field Trips** give teachers from local schools the chance to visit BLM-managed land near their district office. An education specialist works with teachers to design field trips that meet specific learning objectives for students. On field trip days, the education specialist and, in some cases, other resource specialists make presentations to students. All activities are hands-on.
- **Earth Ranger Academy** is an intensive three-day program to teach children ecological concepts, how those concepts relate to their daily lives, and how they can help conserve natural resources by modifying their use of resources.
- **The Limits of Acceptable Change Monitoring Program** employs community volunteers to conduct visitor surveys, and monitor trails and natural resources to maintain health of BLM's Campbell Tract and Urban Wildland.
- **The Resource Apprenticeship Program for Students (RAPS)** offers rural native students an opportunity to explore natural resource management careers and learn about the professional work environment by placing them in summer apprenticeships. Alongside specialists in over 10 State and Federal agencies, students work on an educational handbook, and have the opportunity to attend the Alaska Inter-Tribal Youth Practicum.
- **The Resource Specialist Extension Program** makes district office specialists available to visit school classrooms on an on-call basis. Resource specialists work with teachers and make presentations.

For information on these programs, contact:

Jeff Brune and Van Waggoner, Education Specialists; Janelle Eklund, Outdoor Recreation Planner; or Carrie Agibinik and Mike Johnson, RAPS Coordinators, at

Bureau of Land Management
Anchorage District Office
6881 Abbott Loop Road
Anchorage, AK 99507
(907) 267-1251 / Fax: (907) 267-1267

Bureau of Land Management State Office

This office provides information about educational programs, materials, and local land-management issues.

Robert H. Jones
Bureau of Land Management
222 West Seventh Avenue, #13
Anchorage, AK 99513-7599
(907) 271-3404

Earth Science Information Center, Anchorage

The center offers information and sales service for U.S. Geological Survey map products and Earth science publications.

Anchorage Earth Science Information Center
4230 University Drive, Room 101
Anchorage, AK 99508-4664
(907) 786-7011 or 800-USA-MAPS

Environmental Education Outreach

The National Park Service instructs students in environmental science in the classroom.

At Camp Sivunniigvik, personnel present environmental information/education to complement the cultural instruction presented by native Inupiaq Eskimos at this summer culture camp for youth.

Kimberly A. Valentino, Chief of Interpretation/Visitor Services
PO Box 1029
Kotzebue, AK 99752
(907) 442-3760 or 3890
Fax: (907) 442-3482

Fairbanks, Alaska, Public Lands Information Center

In addition to educational programs on the cultural and natural histories of Alaska, the center loans educational materials to teachers.

Fairbanks, Alaska, Public Lands Information Center
250 Cushman Street, Suite 1A
Fairbanks, AK 99701
(907) 451-7352

Fairbanks Fishery

In the Integrated Fisheries Education program, education teams developed in each community (Dillingham, Galena) plan teachers' inservice training, workshops, and an in-depth outdoor studies program for K–12 students. The study is based on Alaska's fisheries and aquatic systems.

Other programs include the following:

- **The Adopt-A-Stream Program** lets students "adopt" a local aquatic system for long-term monitoring of water quality, physical changes, and biological change. This is augmented in the classroom through use of a cold-water aquarium to house native fish for study. Students will also network, via the Internet, with other water quality monitoring programs throughout the country.
- **Salmonids in the Classroom** develops an appreciation of Alaska's native fisheries by allowing classrooms to hatch salmon eggs and track their development. A curriculum introduces aspects of salmon biology, life cycles, and conservation.

Laurel Devaney, Education Coordinator
Fairbanks Fishery Resource Office
101 12th Avenue, Box 17, Room 222
Fairbanks, AK 99707
(907) 456-0558 / Fax: (907) 456-0454

Glacier Bay National Park

In addition to guided tours, Glacier Bay National Park rangers conduct in-school presentations.

Glacier Bay National Park
PO Box 140
Gustavus, AK 99826
(907) 697-2230

Innoko National Wildlife Refuge

In the Environmental Education Science Camp, high school students from the Iditarod area spend 15 days working and attending classes at the remote field camp on the refuge.

Beverly Skinner, Refuge Operations Specialist
Innoko NWR, Box 69
McGrath, AK 99627
(907) 524-3251 / Fax: (907) 524-3141

Kanuti National Wildlife Refuge

Earth Quest (Northern Alaska Wildlife and Wildlands Education Camp) is sponsored by a partnership of local, State, Federal, and native organizations. The camp is designed to give rural Alaskan high school students a hands-on approach to methods used by natural resource professionals when collecting information in the field. It brings students and professionals together in an isolated setting for 10 days.

Barry Whitehill, Refuge Operations Specialist
Kanuti NWR
101 12th Avenue, Room 112
Fairbanks, AK 99701
(907) 456-0330 / Fax: (907) 456-0506

Kenai Fjords National Park

Interpretive programs are offered to educate the public about glaciology, geology, flora, fauna, and the ocean/fjord environment, as well as about resource protection values.

The National Parks as Classrooms program offers environmental education across many disciplines to students from preschool through college, adapting to the curricula needs of classes involved. The program also offers a variety of adult education workshops.

Maria Gillett, Chief of Interpretation and Education
Kenai Fjords National Park
PO Box 1727
Seward, AK 99664
(907) 224-3175 / Fax: (907) 2242144
E-mail: Maria_Gillett@nps.gov

Kenai National Wildlife Refuge

The Environmental Education Program provides teacher/youth leader workshops and credit courses. Adult leaders are trained in curricula that reflect refuge-related resource issues and subject areas important to the school district and to youth organizations such as the Scouts, 4-H, and others. For preschool to first grade, thematic units include animals and their senses; for second and third grade, the theme is the role of predators in the ecosystem. Fourth through sixth grades study wetlands and wildlife, and sixth through eighth grades learn about the role of fire in the ecosystem.

Candace D. Ward, Park Ranger
Kenai NWR
PO Box 2139
Soldotna, AK 99669
(907) 262-7021 / Fax: (907) 262-3599

Koyukuk/Nowitna National Wildlife Refuge

In Biological Skills Camp, participants learn about fish and wildlife management and the role of the National Wildlife Refuge System in resource conservation. Participants also develop skills needed to help qualify them for a biological technician position with the Service.

Heather Johnson, Park Ranger
Koyukuk/Nowitna NWR
PO Box 287
Galena, AK 99741
(907) 656-1231 / Fax: (907) 656-1708

Minerals Management Service (MMS) Regional Office

The MMS Regional Office provides a range of educational services. Teacher inservice programs and classroom visitations may include supplemental materials. Availability may be limited, but arrangements may be made for duplication of some materials at minimal cost.

Alaska Outer Continental Shelf Region
Minerals Management Service
Office of Public Affairs
949 East 36th Avenue, #110, MS 8000
Anchorage, AK 99508-4302
(907) 271-6070 / Fax: (907) 271-6805

Project WILD

Project WILD offers teacher training and educational materials. Teacher guides, free to teachers who attend the training session, contain more than 80 supplementary, interdisciplinary activities for grades K–12.

Colleen Matt, Project WILD Coordinator
Alaska Department of Fish and Game
333 Raspberry Road
Anchorage, AK 99518-1599
(907) 267-2241 / Fax: (907) 344-7914

Tetlin National Wildlife Refuge

Refuge teacher workshops promote education in wildlife management and environmental issues. Curriculum materials and programs for students are also available.

Other programs include the following:

- **National Wildlife Week**, sponsored by the National Wildlife Federation, is a week-long event celebrated each spring. Each year a different theme is covered and includes wildlife, wildlife habitat, and environmental "happenings"—such as pollution—that affect all of us.
- **The Summer Nature Camp** is a series of day camps where students are taught about wildlife, wildlife habitat, natural fire effects and benefits for wildlife, and outdoor skills and care. Camps are held in local communities and on refuge lands; all include outdoor, hands-on educational activities. All of the activities are related to the Tetlin National Wildlife Refuge and natural areas (especially of Alaska).

Dave Dapkus, Supervisory Park Ranger
Tetlin NWR
PO Box 779
Tok, AK 99780
(907) 883-5312 / Fax: (907) 883-5747

Water Conservation Center

The center sponsors a Water Education Calendar and Poster Contest that results in a regional calendar produced in cooperation with the International Office of Water Education and Utah State University. The calendar highlights winners of State poster contests that emphasize water resource issues. The calendar is published and distributed to all elementary schools throughout Idaho, Washington, Oregon, Montana, Alaska, and Hawaii.

Debbie Cross, Public Affairs Officer
Water Conservation Center
PN-6430
North Curtis Road
Boise, ID 83705
(208) 378-5020 / Fax: (208) 378-5066

The U.S. Fish and Wildlife Service (USFWS)

In the Goose Calendar Contest, five refuges in western and northern Alaska invite local school children to participate in an art and literature competition. The contest highlights four species of arctic nesting geese whose populations have decreased. The winners of the contest have their work published in a color calendar that is distributed to communities in western and northern Alaska for free.

Other programs include the following:

- **Learn About Seabirds** is a curriculum developed to teach students in grades 4–6 throughout Alaska about seabird biology and what can be done to help seabirds. The curriculum includes a slide set, poster, and two booklets. The USFWS offers teacher workshops and credit courses.
- **Role of Fire in Alaska** consists of a K–12 curriculum, poster, video, slide show, display, and education kit. USFWS employees train educators in the use of these materials through university credit courses and shorter workshops.
- **Wetlands and Wildlife** and **Teach About Geese** are two K–12 curricula. Materials include a poster, slide show, display, and education kit. USFWS employees train educators in the use of these materials through university credit courses, as well as shorter workshops. These two curricula are presented together.

Catherine Rezabeck, Education Specialist
USFWS
Region 7
1011 East Tudor Road
Anchorage, AK 99503
(907) 786-3351 / Fax: (907) 786-3635

Yukon Delta National Wildlife Refuge

Refuge teacher workshops promote education in wildlife management and environmental issues. College credit for these workshops is available. Yukon Delta also hosts an extensive video library.

Western Alaska Natural Science Camp introduces native Alaskan students to scientific and traditional concepts of ecosystem management and biodiversity. Wildlife education and recreation activities promote environmental education. The activities also compare and contrast traditional native ecological knowledge about natural resources with scientific approaches to resource management.

Lorrie Beck, Outdoor Recreation Planner
Yukon Delta NWR
PO Box 346
Bethel, AK 99559
(907) 543-3151 / Fax: (907) 543-4413

Department of Labor (DOL)

Job Training Partnership Act (JTPA) Liaison

The JTPA Liaison can provide information about the Job Training Partnership Act State and local programs for economically disadvantaged adults and youth.

William Mailer
Rural Development Division
Alaska Department of Community and Regional Affairs
333 West Fourth Avenue, Suite 220
Anchorage, AK 99501-2341
(907) 269-4659 / Fax: (907) 269-4520

Department of Transportation (DOT)

Federal Aviation Administration (FAA) Aviation Education

The FAA Aviation Education Representative coordinates aviation education services, including materials and programs for the FAA in the States assigned to the region.

Programs include the following:

- **The Aviation Career Education (ACE) Academy** is a one-week summer aviation education program for high school students sponsored by the FAA along with a host educational institution. The program provides students with diverse experiences in aviation career exploration. The focus is on aviation career clusters identified by FAA, with an emphasis on opportunities for women and minorities. A goal is to have one program in each State and U.S. Territory. The FAA will conduct regional leadership workshops and provide funds based on the availability of resources.
- **Aviation Education Workshops for Teachers** provide teachers with information on FAA aviation programs and materials and prepare them to teach aviation in the classroom. Annual workshops are conducted at colleges and universities across the Nation. The FAA provides information, materials, and speakers for the program.
- **National Congress on Aviation and Space Education** is sponsored annually by the FAA in partnership with the National Aeronautics and Space Administration and the Civil Air Patrol. The meeting includes teacher workshops and crosstalk sessions to exchange ideas on promoting aerospace education.

Tom Lane, AAL-5C, FAA Aviation Education Representative
222 West Seventh Avenue, Box 14
Anchorage, AK 99513-7587
(907) 271-5169 / Fax: (907) 276-7261

FAA Aviation Education Resource Centers

Located at colleges, museums, and State aviation authority offices, these centers function as information distribution centers for Federal Aviation Administration education materials and resources. The Resource Centers maintain and provide quantities of printed materials, videotapes, and computer educational software. Center personnel can also provide general information, conduct workshops, and make aviation-related presentations.

Dennis Stephens, Collection Development Officer
Aviation Education Resource Center
University of Alaska, Fairbanks
Elmer E. Rasmuson Library
Fairbanks, AK 99775-1006
(907) 474-6695

Barbara Sokolov, Library Director
Aviation Education Resource Center
University of Alaska, Anchorage
3211 Providence Drive
Anchorage, AK 99508
(907) 786-1825

Dr. Rusty Myers, Project Director
Aviation Education Resource Center
Alaska Pacific University
4101 University
Anchorage, AK 99508
(907) 564-8207

▶Environmental Protection Agency (EPA)

EPA Regional Office

This office takes part in a variety of environmental education programs for both teachers and students. Programs range from teacher workshops and student contests to in-school presentations. Information on environmental issues is also available through the Public Information Center located at the office.

Sally Hanft, Environmental Education Coordinator
Environmental Protection Agency
1200 Sixth Avenue (EXA-142)
Seattle, WA 98101
(206) 553-1207 / Fax: (206) 553-0149

The President's Environmental Youth Awards (PEYA) Program

Young people from each State are invited to participate in PEYA, a nationwide program designed to encourage individuals, school classes, summer camps, public interest groups, and youth organizations to promote environmental awareness and community involvement. The two components of the program are the regional certificate program and the National awards competition. Regional certificates, signed by the President, are awarded to each participant by EPA regional offices. National individual project winners, or one representative from a National award-winning group project, along with one sponsor, are honored at EPA headquarters in Washington, DC. Interested K–12 individuals or groups may obtain application materials and contest rules by contacting the EPA Regional Office that serves their State. PEYA has been an ongoing project since it was created by the White House Office of Education and the EPA in 1971.

EPA Region 10
1200 Sixth Avenue
Seattle, WA 98101
(800) 424-4EPA
(206) 553-1207 / Fax: (206) 553-0149

▶National Aeronautics and Space Administration (NASA)

NASA Educator Resource Center

The center has NASA-related educational materials in various formats, including laserdiscs, CD-ROMs, videotapes, slides, audiotapes, publications, and teacher guides. Educators may preview or copy NASA materials upon request.

NASA Ames Research Center
Educator Resource Laboratory
Educator Resource Center, MS T12-A
Moffett Field, CA 94035-1000
(415) 604-3574

Alaska Science Center
NASA Regional Educator Resource Center
Alaska Pacific University
4101 University Drive
Anchorage, AK 99508
(907) 564-8207

NASA Field Centers

Each field center has an educational programs officer who is responsible for precollege education programs. In addition to administering National programs, the center offers programs and services to meet regional and local needs.

Garth A. Hull, Chief
Educational Programs Branch
NASA Ames Research Center, MS 204-12
Moffett Field, CA 94035
(415) 604-5543

Space Grant Consortium

The Space Grant Consortium in each State consists of colleges, universities, industry, and other organizations that have an interest in aeronautics and space education. Each consortium receives NASA funds for use in implementing a balanced program of research, education, and public service.

Alaska Space Grant Consortium
University of Alaska, Fairbanks
223 Duckering Building
Fairbanks, AK 99775-5900
(907) 474-5206

Idaho

▶Department of Agriculture (USDA)

4-H State Leader

The State 4-H Youth Development Programs are administered by the Cooperative Extension Service at land-grant universities. State 4-H leaders coordinate outreach services and training to all county offices.

Dr. Arlinda K. Nauman, State 4-H Director
Morrill Hall, #103
University of Idaho
Moscow, ID 83844-3015
(208) 885-6321 / Fax: (208) 885-6198
E-mail: fourh@idaho.edu

Ag in the Classroom State Leader

This program promotes increased understanding of agriculture and possible careers in the agricultural sciences. With National leadership provided by USDA, each State manages its own programs, with assistance from agribusiness, educational institutions, and government.

Rick Watley, Director
Watley Associates
1741 Gibson Way
Meridian, ID 83642
(208) 888-0988

▶Department of Defense (DoD)

Science and Engineering Apprentice Program

This program, supported by DoD and administered by The George Washington University, is designed to provide research experience for high school students attending school near this participating research facility. Each student works with a senior scientist or engineer who acts as a mentor for eight weeks during the summer.

George Guedel
Naval Surface Warfare Center Acoustic Research Detachment (NSWC-ARD)
PO Box 129
Bayview, ID 83803-0129
(208) 683-2321, ext. 4030

▶Department of Education (ED)

Eisenhower State Coordinators

Eisenhower State Coordinators administer the Eisenhower Professional Development Program State Formula grants. The program focuses on sustained and intensive high-quality professional development through inservice programs.

Michael Murphy
Eisenhower Professional Development Program
Idaho Department of Education
Len B. Jordan Office Building
Boise, ID 83720
(208) 334-2281 / Fax: (208) 334-2228

Eisenhower State Coordinators for Higher Education

Eisenhower State Coordinators oversee the Eisenhower Professional Development State Formula Grants for the State Agency for Higher Education (SAHE). The program focuses on teacher enhancement through both inservice and preservice programs.

La Ron Smith and Michael Murphy
Eisenhower Professional Development Program
Idaho Department of Education
Len B. Jordan Office Building
Boise, ID 83720
(208) 334-2281 / Fax: (208) 334-2228

Northwest Educational Technology Consortium (NETC)

ED established the Regional Technology in Education Consortia (R*TEC) program in the fall of 1995 to help States, districts, schools, adult literacy centers, and other educational institutions use advanced technology to support improved teaching and student achievement. R*TEC's role in educational technology is unique in two ways: the emphasis is regional and the primary goal is to ensure that technology is used effectively to support school reform. Program strategies include professional development, technical assistance, and information dissemination.

Seymour Hanfling, Director
Technology Program
NETC
101 SW Main Street, Suite 500
Portland, OR 97204-3297
(503) 275-9500 / Fax: (503) 275-9584
E-mail: hanflins@nwrel.org
WWW: http://www.netc.org

Gerald Malitz, R*TEC Project Officer
U.S. Department of Education
Office of Educational Research and Improvement
NCES, Room 410c
555 New Jersey Avenue NW
Washington, DC 20208-5651
(202) 219-1364
E-mail: gmalitz@inet.ed.gov

Northwest Regional Educational Laboratory (NWREL)

NWREL identifies effective teaching techniques and school improvement efforts within the region and shares this information with State and local educators.

Ethel Simon-McWilliams, Executive Director
Northwest Regional Educational Laboratory
101 SW Main Street, Suite 500
Portland, OR 97204-3212
(503) 275-9500 / Fax: (503) 275-9489
WWW: http://www.nwrel.org

Science and Mathematics Consortium for Northwest Schools

The Eisenhower Regional Consortium provides information and technical assistance to help States and school districts improve mathematics and science education.

Dr. Ralph T. Nelsen, Director
Science and Mathematics Consortium for Northwest Schools (SMCNWS)
Columbia Education Center
171 NE 102nd Avenue
Portland, OR 97220-4169
(503) 252-4999 / Fax: (503) 252-4866
E-mail: 76106.3006@compuserve.com
WWW: http://www.col-ed.org/smcnws/

▶Department of Energy (DOE)

Bonneville Power Administration

The administration participates in a broad range of education programs in its service territory (Washington, Oregon, Idaho, and Western Montana). Various programs available for teachers and students include math and science enhancements, hands-on learning, work-site mentoring and apprenticeships, competitions, environmental education, tutoring, and others. Projects involve several business, schools, and government agency partnerships. Many employees volunteer each year for various programs.

Joan McNamara, Community Education Coordinator
Bonneville Power Administration
PO Box 3621 Routing APPP
Portland, OR 97208-3621
(503) 230-3709 / Fax: (503) 230-5884
E-mail: jhmcnamara@bpa.gov

Idaho National Engineering Laboratory

The laboratory offers programs and research experiences for educators and students, in science, mathematics, engineering, and technology. Programs are coordinated with universities and State departments of education.

Dr. Constance C. Blackwood
Idaho National Energy Laboratory
1520 Sawtelle Drive
Idaho Falls, ID 83405-2437
(208) 526-9221 / Fax: (208) 526-1880

▶Department of the Interior (DOI)

Boise Interagency Fire Center

The center provides information about educational programs, materials, and local land-management issues.

Education Coordinator
Boise Interagency Fire Center
3905 Vista Avenue
Boise, ID 83705
(208) 389-2446

Bureau of Land Management State Office

This office offers various environmental education and land-management programs, such as the Nose to Nose Program. Information about educational programs, materials, and local land-management issues is also available.

Education Coordinator
Bureau of Land Management
3880 Americana Terrace
Boise, ID 83706
(208) 384-3020

Bureau of Reclamation

Environmental education on a variety of subjects is offered to teachers and students in grades K–12. Emphasis is on water resources; subjects vary from groundwater model to instant snow storms and wetlands in a pan. Programs are presented in the classroom as well as outdoors at laboratory schools, summer camps, and at some visitor centers. The program currently operates in the States of California, Colorado, Montana, Nevada, Idaho, and Utah.

Theresa Taylor, Environmental Education
Program Assistant
Denver Federal Center, D-5100
Building 67
Denver, CO 80225
(303) 236-9336 ext. 262
Fax: (303) 236-3573

Craters of the Moon National Monument

The monument offers guided walks and teacher guides that focus on the geology of the area. In the Education Outreach Program, staff provide two curricula for teachers planning trips to the monument, one for grades 5–6, and the other for high school students. The curricula contain information on monument resources and activities to be completed onsite and in the classroom. Also available upon request are trunks of support materials (videos, slides, books, maps, rock samples).

David Clark, Chief of Interpretation
Craters of the Moon National Monument
PO Box 29
Arco, ID 83213
(208) 527-3257 / Fax: (208) 527-3073

Deer Flat National Wildlife Refuge

An interpretation center at the refuge displays exhibits and information about wildlife management. Guided walks and lectures are available.

The refuge also participates in Project WILD for Teachers, which offers teacher training and educational materials. Teacher guides, free to teachers who attend the training session, contain more than 80 supplementary, interdisciplinary activities for grades K–12.

L.T. McGowan, Outdoor Recreation Planner
Deer Flat NWR
13751 Upper Embankment Road
Nampa, ID 83686
(208) 467-9278 / Fax: (208) 467-1019

Hagerman Fossil Beds National Monument

The monument provides a teacher curriculum package and a traveling trunk of support materials for teachers of grades 7–9. Students learn about the sciences of geology, paleontology, and archaeology, as well as the history of the Oregon Trail. Teachers may take a college-level course for university credit to learn how to use the curriculum and the monument's resources. Guided tours are scheduled during the summer months, and a small visitor center with exhibits and audiovisual programs is available throughout the year.

The Traveling Trunk curriculum is designed to meet the needs of students in grades 7–9. Topics include Idaho's fossil record as well as the Native American and Oregon Trail history. The program supplements the State curriculum in a hands-on, interactive way.

Bob Willhite, Chief Ranger
James Ward, Park Ranger
Hagerman Fossil Beds National Monument
221 North State Street
PO Box 570
Hagerman, ID 83332
(208) 837-4793 / Fax: (208) 837-4857

Pliocene Park

The park offers curriculum for teachers of grades 7–9 to complement their science education program and encourage utilization of the resources of the National monument.

Bob Willhite, Chief Ranger
Hagerman Fossil Beds National Monument
221 North State Street
PO Box 570
Hagerman, ID 83332
(208) 837-4793 / Fax: (208) 837-4857

Project Water Education for Teachers (WET)

Project WET is an interdisciplinary water education program intended to supplement a school's existing curriculum. The following classroom-ready teaching aids are being developed: activity guides and modules for grades K–12, computer simulations, water-history publications, groundwater flow models, and a series of children's story and action books.

Debbie Cross, Public Affairs Officer
Water Conservation Center
PN-6430
North Curtis Road
Boise, ID 83705
(208) 378-5020 / Fax: (208) 378-5066

Dorothea Kunz Shuman, Project WET
Coordinator
IWRRI, 106 Morrill Hall
University of Idaho
Moscow, ID 83843
(208) 885-6429

Project WILD

Project WILD offers teacher training and educational materials. Teacher guides, free to teachers who attend the training session, contain more than 80 supplementary, interdisciplinary activities for grades K–12.

John Gahl, Project WILD Coordinator
Idaho Fish and Game Department
PO Box 25
Boise, ID 83707
(800) 422-9453
(208) 334-2633 / Fax: (208) 334-2148

Water Conservation Center

The center sponsors a Water Education Calendar and Poster Contest that results in a regional calendar produced in cooperation with the International Office of Water Education and Utah State University. The calendar highlights winners of State poster contests that emphasize water resource issues. The calendar is published and distributed to all elementary schools throughout Idaho, Washington, Oregon, Montana, Alaska, and Hawaii.

Debbie Cross, Public Affairs Officer
Water Conservation Center
PN-6430
North Curtis Road
Boise, ID 83705
(208) 378-5020 / Fax: (208) 378-5066

▶Department of Labor (DOL)

Job Training Partnership Act (JTPA) Liaison

The JTPA Liaison can provide information about the Job Training Partnership Act State and local programs for economically disadvantaged adults and youth.

Connie Ryals, Director
Idaho Department of Employment
317 Main Street
Boise, ID 83735-0001
(208) 334-6110 / Fax: (208) 334-6430

▶Department of Transportation (DOT)

Federal Aviation Administration (FAA) Aviation Education

The FAA Aviation Education Representative coordinates aviation education services, including materials and programs for the FAA in the States assigned to the region.

Programs include the following:

- **The Aviation Career Education (ACE) Academy** is a one-week summer aviation education program for high school students sponsored by the FAA along with a host educational institution. The program provides students with diverse experiences in aviation career exploration. The focus is on aviation career clusters identified by FAA, with an emphasis on opportunities for women and minorities. A goal is to have one program in each State and U.S. Territory. The FAA will conduct regional leadership workshops and provide funds based on the availability of resources.

- **Aviation Education Workshops for Teachers** provide teachers with information on FAA aviation programs and materials and prepare them to teach aviation in the classroom. Annual workshops are conducted at colleges and universities across the Nation. The FAA provides information, materials, and speakers for the program.
- **National Congress on Aviation and Space Education** is sponsored annually by the FAA in partnership with the National Aeronautics and Space Administration and the Civil Air Patrol. The meeting includes teacher workshops and crosstalk sessions to exchange ideas on promoting aerospace education.

Herman Payton, ANM-14A
FAA Aviation Education Representative
1601 Lind Avenue SW
Renton, WA 98055-4056
(206) 227-2079 / Fax: (206) 227-1010

FAA Aviation Education Resource Centers

Located at colleges, museums, and State aviation authority offices, these centers function as information distribution centers for Federal Aviation Administration education materials and resources. The Resource Centers maintain and provide quantities of printed materials, videotapes, and computer educational software. Center personnel can also provide general information, conduct workshops, and make aviation-related presentations.

John Maakestad, Safety/Information Officer,
Chief Pilot
Aviation Education Resource Center
Idaho State Bureau of Aeronautics
3483 Rickenbacker Street
Boise, ID 83705-5018
(208) 334-8775

▶Environmental Protection Agency (EPA)

EPA Regional Office

This office takes part in a variety of environmental education programs for both teachers and students. Programs range from teacher workshops and student contests to in-school presentations. Information on environmental issues is also available through the Public Information Center located at the office.

Sally Hanft, Environmental Education
Coordinator
Environmental Protection Agency
1200 Sixth Avenue (EXA-142)
Seattle, WA 98101
(206) 553-1207 / Fax: (206) 553-0149

The President's Environmental Youth Awards (PEYA) Program

Young people from each State are invited to participate in PEYA, a nationwide program designed to encourage individuals, school classes, summer camps, public interest groups, and youth organizations to promote environmental awareness and community involvement. The two components of the program are the regional certificate program and the National awards competition. Regional certificates, signed by the President, are awarded to each participant by EPA regional offices. National individual project winners, or one representative from a National award-winning group project, along with one sponsor, are honored at EPA headquarters in Washington, DC. Interested K–12 individuals or groups may obtain application materials and contest rules by contacting the EPA Regional Office that serves their State. PEYA has been an ongoing project since it was created by the White House Office of Education and the EPA in 1971.

EPA Region 10
1200 Sixth Avenue
Seattle, WA 98101
(800)424-4EPA
(206) 553-1207 / Fax: (206) 553-0149

▶National Aeronautics and Space Administration (NASA)

NASA Educator Resource Center

The center has NASA-related educational materials in various formats, including laserdiscs, CD-ROMs, videotapes, slides, audiotapes, publications, and teacher guides. Educators may preview or copy NASA materials upon request.

NASA Ames Research Center
Educator Resource Laboratory
Educator Resource Center, MS T12-A
Moffett Field, CA 94035-1000
(415) 604-3574

NASA Field Centers

Each field center has an educational programs officer who is responsible for precollege education programs. In addition to administering National programs, the center offers programs and services to meet regional and local needs.

Garth A. Hull
Chief, Educational Programs Branch
NASA Ames Research Center, MS 204-12
Moffett Field, CA 94035
(415) 604-5543

NASA Regional Educator Resource Center (RERC)

To offer more educators the opportunity to visit the Educator Resource Center Network (ERCN), NASA forms partnerships with planetariums, universities, museums, and other nonprofit organizations to serve as RERCs. Teachers may preview or copy NASA materials upon request.

University of Idaho at Moscow
NASA Regional Educator Resource Center
Idaho Space Grant College Fellowship
Program
College of Education
Moscow, ID 83843
(208) 885-6030

Space Grant Consortium

The Space Grant Consortium in each State consists of colleges, universities, industry, and other organizations that have an interest in aeronautics and space education. Each consortium receives NASA funds for use in implementing a balanced program of research, education, and public service.

Idaho Space Grant Consortium
College of Education
University of Idaho
Moscow, ID 83844-3080
(208) 885-5762

Montana

▶Department of Agriculture (USDA)

4-H State Leader

The State 4-H Youth Development Programs are administered by the Cooperative Extension Service at land-grant universities. State 4-H leaders coordinate outreach services and training to all county offices.

Elizabeth McCoy, 4-H Program Leader
Taylor Hall
Montana State University
Bozeman, MT 59717
(406) 994-3501 / Fax: (406) 994-5417

Ag in the Classroom State Leader

This program promotes increased understanding of agriculture and possible careers in the agricultural sciences. With National leadership provided by USDA, each State manages its own programs, with assistance from agribusiness, educational institutions, and government.

Margie Thompson
Agriculture in Montana Schools
Rural Route
Wolfe Creek, MT 59648
(406) 562-3562

▶Department of Education (ED)

Eisenhower State Coordinators

Eisenhower State Coordinators administer the Eisenhower Professional Development Program State Formula grants. The program focuses on sustained and intensive high-quality professional development through inservice programs.

Linda Peterson
Eisenhower Professional Development
Program
Montana Office of Public Instruction
State Capitol Building
1300 11th Avenue
Helena, MT 59620
(406) 444-4436 / Fax: (406) 444-1469

Eisenhower State Coordinators for Higher Education

Eisenhower State Coordinators oversee the Eisenhower Professional Development State Formula Grants for the State Agency for Higher Education (SAHE). The program focuses on teacher enhancement through both inservice and preservice programs.

Stuart Knapp
Eisenhower Professional Development
Program
Montana Office of Commissioner of Higher
Education
2500 Broadway
Helena, MT 59620-3103
(406) 444-6570 / Fax: (406) 444-1469

Northwest Educational Technology Consortium (NETC)

ED established the Regional Technology in Education Consortia (R*TEC) program in the fall of 1995 to help States, districts, schools, adult literacy centers, and other educational institutions use advanced technology to support improved teaching and student achievement. R*TEC's role in educational technology is unique in two ways: the emphasis is regional and the primary goal is to ensure that technology is used effectively to support school reform. R*TEC program strategies include professional development, technical assistance, and information dissemination.

Seymour Hanfling, Director
Technology Program
NETC
101 SW Main Street, Suite 500
Portland, OR 97204-3297
(503) 275-9500 / Fax: (503) 275-9584
E-mail: hanflins@nwrel.org
WWW: http://www.netc.org

Gerald Malitz, R*TEC Project Officer
U.S. Department of Education
Office of Educational Research and
Improvement
NCES, Room 410c
555 New Jersey Avenue NW
Washington, DC 20208-5651
(202) 219-1364
E-mail: gmalitz@inet.ed.gov

Northwest Regional Educational Laboratory (NWREL)

NWREL identifies effective teaching techniques and school improvement efforts within the region and shares this information with State and local educators.

Ethel Simon-McWilliams, Executive Director
Northwest Regional Educational Laboratory
101 SW Main Street, Suite 500
Portland, OR 97204-3212
(503) 275-9500 / Fax: (503) 275-9489
WWW: http://www.nwrel.org

Science and Mathematics Consortium for Northwest Schools

The Eisenhower Regional Consortium provides information and technical assistance to help States and school districts improve mathematics and science education.

Dr. Ralph T. Nelsen, Director
Science and Mathematics Consortium for
Northwest Schools (SMCNWS)
Columbia Education Center
171 NE 102nd Avenue
Portland, OR 97220-4169
(503) 252-4999 / Fax: (503) 252-4866
E-mail: 76106.3006@compuserve.com
WWW: http://www.col-ed.org/smcnws/

▶Department of Energy (DOE)

Bonneville Power Administration

The administration participates in a broad range of education programs in its service territory (Washington, Oregon, Idaho, and Western Montana). Various programs available for teachers and students include math and science enhancements, hands-on learning, work-site mentoring and apprenticeships, competitions, environmental education, tutoring, and others. Projects involve several business, schools, and government agency partnerships. Many employees volunteer each year for various programs.

Joan McNamara, Community Education
Coordinator
Bonneville Power Administration
PO Box 3621 Routing APPP
Portland, OR 97208-3621
(503) 230-3709 / Fax: (503) 230-5884
E-mail: jhmcnamara@bpa.gov

Western Area Power Administration (WAPA)

Each February, WAPA conducts the Montana Regional Science Bowl, a community and Department-sponsored academic competition encouraging the study and pursuit of science and mathematics education and careers. The competition is focused to include participating Native American and other minority students from the State of Montana. The regional winner advances to the National competition, held in Washington, DC, each April.

Charles Sweeney
Western Area Power Administration
PO Box 35800
Billings, MT 59107-5800
(406) 247-7402

Gayle Nansel
Western Area Power Administration-Billings
PO Box 35800
Billings, MT 59107-5800
(406) 247-7437 / Fax: (406) 247-7393

▶Department of the Interior (DOI)

Bighorn Canyon National Recreation Area

Programs, including guided walks and teacher guides, focus primarily on the ecology of the canyon.

Division of Interpretation
Bighorn Canyon National Recreation Area
PO Box 458
Fort Smith, MT 59035
(406) 666-2412

Bozeman Fish Technology Center

Expanding Your Horizons introduces middle school and junior high girls to careers in fish and wildlife biology. Participants are encouraged to take math and science courses throughout high school.

Fish Necropsy provides instruction on conducting a fish necropsy, including gross internal and external and sample collection.

Elizabeth Mac Copnnell, Fishery Biologist
Bozeman Fish Technology Center
4050 Bridger Canyon Road
Bozeman, MT 59715-8713
(406) 587-9265 / Fax: (406) 586-5942
E-mail: r6fa_boz@mail.fws.gov

Bureau of Land Management State Office

This office provides information about educational programs, materials, and local land-management issues.

Education Coordinator
Bureau of Land Management
PO Box 36800
222 North 32nd Street
Billings, MT 59107
(406) 255-2827

Bureau of Land Management, Miles City

National Fishing Week is celebrated with a one-half day event in which BLM staff and volunteers teach children aged 6–12 about fishing techniques, water safety, fish identification, and knot tying. Local and National sponsors provide approximately $800 in prizes.

David Squires, Outdoor Recreation Planner
PO Box 940
Miles City, MT 59301
(406) 232-4331 / Fax: (406) 232-4331

Bureau of Reclamation

Environmental education on a variety of subjects is offered to teachers and students in grades K–12. Emphasis is on water resources; subjects vary from groundwater model to instant snow storms and wetlands in a pan. Programs are presented in the classroom as well as outdoors at laboratory schools, summer camps, and at some visitor centers. The program currently operates in the States of California, Colorado, Montana, Nevada, Idaho, and Utah.

Theresa Taylor, Environmental Education Program Assistant
Denver Federal Center, D-5100
Building 67
Denver, CO 80225
(303) 236-9336 ext. 262
Fax: (303) 236-3573

Bureau of Reclamation, Montana Area Office (MTAO)

MTAO has an active public archaeology program for groups of all ages, from preschool to senior citizens. Talks on various aspects of archaeology are presented along with slides or videos. Hands-on activities are also provided for school-age children. Among these activities are interactive video question and answer programs, puzzles, "sand-box" mock archaeology sites, and mind games. The MTAO provides the programs on requests from schools and civic groups.

Passport in Time is part of the Gibson Archaeological Project, cosponsored by the Montana Area Office of the Bureau of Reclamation and the Lewis and Clark National Forest. The purposes of the project are 1) to inventory and evaluate cultural resources adjacent to the Gibson Reservoir withdrawn lands; and 2) to provide an opportunity for volunteers to work directly with professional archaeologists in archaeological investigations and cultural resources management. The field work takes place for two weeks in September each year. Volunteers and staff live and work in the field camp in the northern Rocky Mountains of Montana.

Mike Andrews, Archaeologist
Montana Area Office
PO Box 30137
Billings, MT 59107
(406) 657-6489 / Fax: (406) 657-6089

Canyon Ferry Limnilogical Institute (CFLI)

A science education program is offered by private nonprofit corporations that collaborate to form the institute. The Department of Reclamation supports the effort by providing facilities for their use.

In Water Monitoring and Management, personnel visit schools and public events and demonstrate how field data are collected at remote sites, transmitted to a satellite 20,000 miles away, and used in an office setting to make timely and accurate decisions involving water supply.

Katherine Jabs, Area Manager
PO Box 30137
Great Plains, MT 59107-0137
(406) 247-7298 / Fax: (406) 657-6089

DOI, Montana State Office

In the Animal Inn/Sammy Snag program, a costumed presenter tells a story about the creatures that live in dead trees/snags. The one-hour presentation uses stuffed toy animals to demonstrate habitat. Students are involved when Sammy Snag solicits questions from the audience.

NILE (Northern International Livestock Exposition) Agricultural Classroom includes presentations covering various topics, such as Good Fire/Bad Fire, Mining & Minerals, and Wild Horses. Visual aids are used along with demonstrations and projects for students to do when they return to their classrooms. The target audience is fourth graders from areas surrounding Billings, Montana. During the three-day session more than 1,600 students attend the exposition.

Lorrene Schardt, Environmental Education Coordinator
PO Box 36800
Billings, MT 59107
(406) 255-2827 / Fax: (406) 255-2898

Glacier National Park

The park offers environmental education field trips, guided tours, and other activities. Curriculum materials are available.

The Parks as Classrooms Program is designed to provide students, grades 1–6, with an introduction to the biological and cultural diversity of the park through a series of hands-on activities conducted in the classroom and the park. Individual units deal with habitat awareness, forest diversity, aquatic ecosystems, the alpine environment, and human relationships to the land.

L. Joe Decker, West Lakes District Naturalist
Glacier National Park
West Glacier, MT 59936
(406) 888-5441, ext. 304
Fax: (406) 888-5581

East side of Glacier:

Hudson Bay District Interpreter
Glacier National Park
St. Mary, MT 59417
(406) 732-4421

Lee Metcalf National Wildlife Refuge

The Refuge offers teacher workshops to give teachers ideas, materials, and methods for teaching about natural resources, and to provide teachers with resource people and materials for teaching about the history and culture of people native to this area.

Other programs include the following:

- **Migratory Bird Days** is a series of field day programs on migratory birds offered to the general public. Teachers, students, families, and naturalists are invited to participate in birding activities that include topics on adaptations, behavior, identification, migration, research, habitat needs, and conservation.
- **The Statewide Junior Duck Stamp Contest**, part of the Federal Junior Duck Stamp Program, is sponsored for K–12 school children. Children enter their artwork of North American waterfowl into one of four grade categories. All participants are acknowledged and winners are recognized at the Spring Awards Ceremony. The program promotes "Conservation through the Arts" and encourages young wildlife artists.

Beth Underwood, Park Ranger
Lee Metcalf NWR
PO Box 257
Stevensville, MT 59870
(406) 777-5552 / Fax: (406) 777-2498

National Bison Range

The range offers a variety of environmental education activities for students and an outdoor education resource library.

Programs include the following:

- **Discovery Workshops for Teachers** are presented in the spring and fall for teachers at all grade levels and disciplines. Fall workshops teach methods for teachers without science backgrounds. Spring workshops are more science based. Special workshops are held for schools with particular needs. Schools with nature centers or those planning one are provided with design assistance and advice.
- **The Program for Schools and People with Disabilities** consists of special sessions for visiting school groups, including learning disabled students and a special ACCESS program for people with disabilities. Summer day camps include other organizations that hold camps onsite.

Marcy Bishop, Outdoor Recreation Planner
National Bison Range
132 Bison Range Road
Moiese, MT 59824
(406) 644-2211 / Fax: (406) 644-2661

Project WILD

Project WILD offers teacher training and educational materials. Teacher guides, free to teachers who attend the training session, contain more than 80 supplementary, interdisciplinary activities for grades K–12.

Kurt Cunningham, Project WILD
Coordinator
Department of Fish, Wildlife, and Parks
1420 East Sixth Avenue
Helena, MT 59620
(406) 444-1267 / Fax: (406) 444-4952

Water Conservation Center

The center sponsors a Water Education Calendar and Poster Contest that results in a regional calendar produced in cooperation with the International Office of Water Education and Utah State University. The calendar highlights winners of State poster contests that emphasize water resource issues. The calendar is published and distributed to all elementary schools throughout Idaho, Washington, Oregon, Montana, Alaska, and Hawaii.

Debbie Cross, Public Affairs Officer
Water Conservation Center
PN-6430
North Curtis Road
Boise, ID 83705
(208) 378-5020 / Fax: (208) 378-5066

▶ Department of Labor (DOL)

Job Training Partnership Act (JTPA) Liaison

The JTPA Liaison can provide information about the Job Training Partnership Act State and local programs for economically disadvantaged adults and youth.

Ingrid Danielson, Bureau Chief
State Training Bureau
Montana Department of Labor and Industry
PO Box 1728
Helena, MT 59624
(406) 444-4500 / Fax: (406) 444-2638

▶ Department of Transportation (DOT)

Federal Aviation Administration (FAA) Aviation Education

The FAA Aviation Education Representative coordinates aviation education services, including materials and programs for the FAA in the States assigned to the region.

Programs include the following:

- **The Aviation Career Education (ACE) Academy** is a one-week summer aviation education program for high school students sponsored by the FAA along with a host educational institution. The program provides students with diverse experiences in aviation career exploration. The focus is on aviation career clusters identified by FAA, with an emphasis on opportunities for women and minorities. A goal is to have one program in each State and U.S. Territory. The FAA will conduct regional leadership workshops and provide funds based on the availability of resources.
- **Aviation Education Workshops for Teachers** provide teachers with information on FAA aviation programs and materials and prepare them to teach aviation in the classroom. Annual workshops are conducted at colleges and universities across the Nation. The FAA provides information, materials, and speakers for the program.
- **National Congress on Aviation and Space Education** is sponsored annually by the FAA in partnership with the National Aeronautics and Space Administration and the Civil Air Patrol. The meeting includes teacher workshops and crosstalk sessions to exchange ideas on promoting aerospace education.

Herman Payton, ANM-14A, FAA Aviation
Education Representative
1601 Lind Avenue SW
Renton, WA 98055-4056
(206) 227-2079 / Fax: (206) 227-1010

FAA Aviation Education Resource Centers

Located at colleges, museums, and State aviation authority offices, these centers function as information distribution centers for Federal Aviation Administration education materials and resources. The Resource Centers maintain and provide quantities of printed materials, videotapes, and computer educational software. Center personnel can also provide general information, conduct workshops, and make aviation-related presentations.

Michael D. Ferguson
Aviation Education Resource Center
Montana DOT Aeronautics Division
PO Box 5178
Helena, MT 59601
(406) 444-2506

▶ Environmental Protection Agency (EPA)

EPA Regional Office

This office takes part in a variety of environmental education programs for both teachers and students. Programs range from teacher workshops and student contests to in-school presentations. Information on environmental issues is also available through the Public Information Center located at the office.

Cece Forget, Environmental Education Coordinator
Environmental Protection Agency
One Denver Place (OCPI)
999 18th Street, Suite 500
Denver, CO 80202-2405
(303) 312-6605 / Fax: (303) 312-6961

The President's Environmental Youth Awards (PEYA) Program

Young people from each State are invited to participate in PEYA, a nationwide program designed to encourage individuals, school classes, summer camps, public interest groups, and youth organizations to promote environmental awareness and community involvement. The two components of the program are the regional certificate program and the National awards competition. Regional certificates, signed by the President, are awarded to each participant by EPA regional offices. National individual project winners, or one representative from a National award-winning group project, along with one sponsor, are honored at EPA headquarters in Washington, DC. Interested K–12 individuals or groups may obtain application materials and contest rules by contacting the EPA Regional Office that serves their State. PEYA has been an ongoing project since it was created by the White House Office of Education and the EPA in 1971.

EPA Region 8
999 18th Street
Denver, CO 80202-2466
(303) 312-6605 / Fax: (303) 312-6961

▶ National Aeronautics and Space Administration (NASA)

NASA Educator Resource Center

The center has NASA-related educational materials in various formats, including laserdiscs, CD-ROMs, videotapes, slides, audiotapes, publications, and teacher guides. Educators may preview or copy NASA materials upon request.

NASA Ames Research Center
Educator Resource Laboratory
Educator Resource Center, MS T12-A
Moffett Field, CA 94035-1000
(415) 604-3574

NASA Field Centers

Each field center has an educational programs officer who is responsible for precollege education programs. In addition to administering National programs, the center offers programs and services to meet regional and local needs.

Garth A. Hull, Chief
Educational Programs Branch
NASA Ames Research Center
Mail Stop 204-12
Moffett Field, CA 94035
(415) 604-5543

NASA Regional Educator Resource Center (RERC)

To offer more educators the opportunity to visit the Educator Resource Center Network (ERCN), NASA forms partnerships with planetariums, universities, museums, and other nonprofit organizations to serve as RERCs. Teachers may preview or copy NASA materials upon request.

Western Montana College of the University of Montana
NASA Regional Educator Resource Center
Carson Library
710 South Atlantic
Dillon, MT 59725
(406) 683-7541

Space Grant Consortium

The Space Grant Consortium in each State consists of colleges, universities, industry, and other organizations that have an interest in aeronautics and space education. Each consortium receives NASA funds for use in implementing a balanced program of research, education, and public service.

Montana Space Grant Consortium
Montana State University
AJM Johnson Hall
Bozeman, MT 59717-0350
(406) 994-6170

Oregon

▶ Department of Agriculture (USDA)

4-H State Leader

The State 4-H Youth Development Programs are administered by the Cooperative Extension Service at land-grant universities. State 4-H leaders coordinate outreach services and training to all county offices.

Dr. James Rutledge, Interim State 4-H Leader
Ballard Extension Hall 105
Oregon State University
Corvallis, OR 97331-3608
(503) 737-2421 / Fax: (541) 737-1332
E-mail: rutledgj@oes.orst.edu

Ag in the Classroom State Leader

This program promotes increased understanding of agriculture and possible careers in the agricultural sciences. With National leadership provided by USDA, each State manages its own programs, with assistance from agribusiness, educational institutions, and government.

Mary Steward
Agri-Business Council
1200 NW Front Avenue, Suite 290
Portland, OR 97209-2800
(503) 221-8756

▶ Department of Commerce (DOC)

National Oceanic and Atmospheric Administration (NOAA)

The administration coordinates agency-wide efforts to educate the public about Earth-systems science and to increase awareness of the Agency's mission. The Teacher-at-Sea Program provides teachers (K–16, any subject) the opportunity to participate in a field research project along with NOAA scientists aboard a NOAA research vessel.

Judy Sohl, Educational Affairs Office
National Oceanic and Atmospheric Administration
7600 Sand Point Way NE
Seattle, WA 98115-0070
(206) 526-6622 / Fax: (206) 526-6609

National Sea Grant College Program, Operation Pathfinder

The program consists of two-week summer courses that present an introduction to oceanographic and coastal processes. Courses are available in six regions and are designed to enhance skills in science teaching.

Michael Spranger
Washington Sea Grant
University of Washington, HG-3
3716 Brooklyn Avenue NE
Seattle, WA 98105-6716
(206) 543-6600 / Fax: (206) 685-0380

South Slough National Estuarine Research Reserve

The reserve offers onsite and in-school education programs, as well as custom educational programs. Reservations are required.

Tom Gaskill, Education Coordinator
South Slough National Estuarine Research Reserve
PO Box 5417
Charleston, OR 97420
(541) 888-5558 / Fax: (541) 888-5559

▶ Department of Education (ED)

Eisenhower State Coordinators

Eisenhower State Coordinators administer the Eisenhower Professional Development Program State Formula grants. The program focuses on sustained and intensive high-quality professional development through inservice programs.

Wanda Monthey
Eisenhower Mathematics and Science Program
Oregon Department of Education
255 Capitol Street NE
Salem, OR 97310-0203
(503) 378-8004, ext. 257
Fax: (503) 378-7968

Eisenhower State Coordinators for Higher Education

Eisenhower State Coordinators oversee the Eisenhower Professional Development State Formula Grants for the State Agency for Higher Education (SAHE). The program focuses on teacher enhancement through both inservice and preservice programs.

Dr. Holly Zanville
Eisenhower Professional Development Program
Oregon Department of Education
PO Box 3175
Eugene, OR 97403
(503) 346-5726 / Fax: (503) 346-5764

Northwest Educational Technology Consortium (NETC)

ED established the Regional Technology in Education Consortia (R*TEC) program in the fall of 1995 to help States, districts, schools, adult literacy centers, and other educational institutions use advanced technology to support improved teaching and student achievement. R*TEC's role in educational technology is unique in two ways: the emphasis is regional and the primary goal is to ensure that technology is used effectively to support school reform. R*TEC program strategies include professional development, technical assistance, and information dissemination.

Seymour Hanfling, Director
Technology Program
NETC
101 SW Main Street, Suite 500
Portland, OR 97204-3297
(503) 275-9500 / Fax: (503) 275-9584
E-mail: hanflins@nwrel.org
WWW: http://www.netc.org

Gerald Malitz, R*TEC Project Officer
U.S. Department of Education
Office of Educational Research and Improvement
NCES, Room 410c
555 New Jersey Avenue NW
Washington, DC 20208-5651
(202) 219-1364
E-mail: gmalitz@inet.ed.gov

Northwest Regional Educational Laboratory (NWREL)

NWREL identifies effective teaching techniques and school improvement efforts within the region and shares this information with State and local educators.

Ethel Simon-McWilliams, Executive Director
Northwest Regional Educational Laboratory
101 SW Main Street, Suite 500
Portland, OR 97204-3212
(503) 275-9500 / Fax: (503) 275-9489
WWW: http://www.nwrel.org

Science and Mathematics Consortium for Northwest Schools

The Eisenhower Regional Consortium provides information and technical assistance to help States and school districts improve mathematics and science education.

Dr. Ralph T. Nelsen, Director
Science and Mathematics Consortium for Northwest Schools (SMCNWS)
Columbia Education Center
171 NE 102nd Avenue
Portland, OR 97220-4169
(503) 252-4999 / Fax: (503) 252-4866
E-mail: 76106.3006@compuserve.com
WWW: http://www.col-ed.org/smcnws/

▶ Department of Energy (DOE)

Bonneville Power Administration

The administration participates in a broad range of education programs in its service territory (Washington, Oregon, Idaho, and Western Montana). Various programs available for teachers and students include math and science enhancements, hands-on learning, work-site mentoring and apprenticeships, competitions, environmental education, tutoring, and others. Projects involve several business, schools, and government agency partnerships. Many employees volunteer each year for various programs.

Joan McNamara, Community Education Coordinator
Bonneville Power Administration
PO Box 3621 Routing APPP
Portland, OR 97208-3621
(503) 230-3709 / Fax: (503) 230-5884
E-mail: jhmcnamara@bpa.gov

▶ Department of the Interior (DOI)

Bureau of Land Management State Office

This office provides information about educational programs, materials, and local land-management issues.

Education Coordinator
Bureau of Land Management
PO Box 2965, 1300 NE 44th Avenue
Portland, OR 97208-2965
(503) 280-7287

Crater Lake National Park

Guided nature walks focus on geology and environmental education. Educational Outreach includes Nationally available resources such as lesson plans, a teacher newsletter, and video loans. Educators in the region can participate in teacher workshops. Locally, educational services and classroom presentations are also available.

Marianne Mills, Assistant Chief
Crater Lake National Park
Interpretive and Cultural Resource Manager
Box 7
Crater Lake, OR 97604
(503) 594-2211
Fax: (503) 594-2299

John Day Fossil Beds National Monument

Guided walks and lectures focus on the monument's paleontology and geology. A demonstration laboratory is available. Two science programs are offered, one featuring geology for fifth and sixth grade students and the other featuring paleontology for seventh and eighth grade students. Programs are designed to meet the Oregon Department of Education Science Curriculum goals.

John Fiedor, Park Ranger
John Day Fossil Beds National Monument
420 West Main Street
John Day, OR 97845
(503) 987-2333 / Fax: (503) 987-2336

Oregon Caves National Monument

Teacher's Guide to Caves and Serpentine Plants is a 260-page resource including seven lesson plans, reference appendices, and slides. Each lesson plan includes pre- and post-site classroom activities and field trip descriptions. Field trips are led by park rangers when they are available. The guide covers subjects such as endemic plants, cave formations, and bats.

Sheri Forbes, Chief of Interpretation
Oregon Caves National Monument
19000 Caves Highway
Cave Junction, OR 97523
(503) 592-2100 / Fax: (503) 592-3981

Project WILD

Project WILD offers teacher training and educational materials. Teacher guides, free to teachers who attend the training session, contain more than 80 supplementary, interdisciplinary activities for grades K–12.

Shann Weston, Project WILD Coordinator
Oregon Department of Fish and Wildlife
PO Box 59
Portland, OR 97207
(503) 229-5410, ext. 427
Fax: (503) 229-5602

Travis Tyrrell Seed Orchard

The orchard is at the center of Bureau of Land Management's forestry genetics and tree improvement program. The facility is located southwest of Eugene in the Coast Range Mountains. Orchard staff make presentations on genetics and tree improvement. Groups can tour the facility to get a firsthand view of a working seed orchard. The facility also has an interpretive hiking trail that allows opportunities for plant identification and wildlife viewing.

Glenn Miller, Seed Orchard Manager
Bureau of Land Management
Eugene District
2890 Chad Drive
Eugene, OR 97408
(541) 683-6445 / Fax: (541) 683-6597

Water Conservation Center

The center sponsors a Water Education Calendar and Poster Contest that results in a regional calendar produced in cooperation with the International Office of Water Education and Utah State University. The calendar highlights winners of State poster contests that emphasize water resource issues. The calendar is published and distributed to all elementary schools throughout Idaho, Washington, Oregon, Montana, Alaska, and Hawaii.

Debbie Cross, Public Affairs Officer
Water Conservation Center
PN-6430
North Curtis Road
Boise, ID 83705
(208) 378-5020 / Fax: (208) 378-5066

▶ Department of Labor (DOL)

Job Training Partnership Act (JTPA) Liaison

The JTPA Liaison can provide information about the Job Training Partnership Act State and local programs for economically disadvantaged adults and youth.

William Easly, Manager
Business Resources Division
Oregon Economic Development Department
775 Summer Street NE
Salem, OR 97310
(503) 373-1995 / Fax: (503) 581-5115

▶ Department of Transportation (DOT)

Federal Aviation Administration (FAA) Aviation Education

The FAA Aviation Education Representative coordinates aviation education services, including materials and programs for the FAA in the States assigned to the region.

Programs include the following:

- **The Aviation Career Education (ACE) Academy** is a one-week summer aviation education program for high school students sponsored by the FAA along with a host educational institution. The program provides students with diverse experiences in aviation career exploration. The focus is on aviation career clusters identified by FAA, with an emphasis on opportunities for women and minorities. A goal is to have one program in each State and U.S. Territory. The FAA will conduct regional leadership workshops and provide funds based on the availability of resources.
- **Aviation Education Workshops for Teachers** provide teachers with information on FAA aviation programs and materials and prepare them to teach aviation in the classroom. Annual workshops are conducted at colleges and universities across the Nation. The FAA provides information, materials, and speakers for the program.
- **National Congress on Aviation and Space Education** is sponsored annually by the FAA in partnership with the National Aeronautics and Space Administration and the Civil Air Patrol. The meeting includes teacher workshops and crosstalk sessions to exchange ideas on promoting aerospace education.

Herman Payton, ANM-14A, FAA Aviation Education Representative
1601 Lind Avenue SW
Renton, WA 98055-4056
(206) 227-2079 / Fax: (206) 227-1010

FAA Aviation Education Resource Centers

Located at colleges, museums, and State aviation authority offices, these centers function as information distribution centers for Federal Aviation Administration education materials and resources. The Resource Centers maintain and provide quantities of printed materials, videotapes, and computer educational software. Center personnel can also provide general information, conduct workshops, and make aviation-related presentations.

Elizabeth Johnson
Oregon Department of Transportation
Aeronautics Division
3040 25th Street SE
Salem, OR 97310-0100
(503) 378-4882

▶ Environmental Protection Agency (EPA)

Environmental Research Laboratory

The Environmental Research Laboratory manages a curriculum development program in addition to a student-scientist mentor program and an outreach lecture series. Other programs include science fairs and Laboratory tours.

U.S. Environmental Protection Agency
Environmental Research Laboratory
200 SW 35th Street
Corvallis, OR 97333
(503) 754-4684

EPA Regional Office

This office takes part in a variety of environmental education programs for both teachers and students. Programs range from teacher workshops and student contests to in-school presentations. Information on environmental issues is also available through the Public Information Center located at the office.

Sally Hanft, Environmental Education
Coordinator
Environmental Protection Agency
1200 Sixth Avenue (EXA-142)
Seattle, WA 98101
(206) 553-1207 / Fax: (206) 553-0149

The President's Environmental Youth Awards (PEYA) Program

Young people from each State are invited to participate in PEYA, a nationwide program designed to encourage individuals, school classes, summer camps, public interest groups, and youth organizations to promote environmental awareness and community involvement. The two components of the program are the regional certificate program and the National awards competition. Regional certificates, signed by the President, are awarded to each participant by EPA regional offices. National individual project winners, or one representative from a National award-winning group project, along with one sponsor, are honored at EPA headquarters in Washington, DC. Interested K–12 individuals or groups may obtain application materials and contest rules by contacting the EPA Regional Office that serves their State. PEYA has been an ongoing project since it was created by the White House Office of Education and the EPA in 1971.

EPA Region 10
1200 Sixth Avenue
Seattle, WA 98101
(800) 424-4EPA
(206) 553-1207 / Fax: (206) 553-0149

▶ National Aeronautics and Space Administration (NASA)

NASA Educator Resource Center

The center has NASA-related educational materials in various formats, including laserdiscs, CD-ROMs, videotapes, slides, audiotapes, publications, and teacher guides. Educators may preview or copy NASA materials upon request.

NASA Ames Research Center
Educator Resource Laboratory
Educator Resource Center, MS T12-A
Moffett Field, CA 94035-1000
(415) 604-3574

NASA Field Centers

Each field center has an educational programs officer who is responsible for precollege education programs. In addition to administering National programs, the center offers programs and services to meet regional and local needs.

Garth A. Hull, Chief
Educational Programs Branch
NASA Ames Research Center, MS 204-12
Moffett Field, CA 94035
(415) 604-5543

NASA Regional Educator Resource Center (RERC)

To offer more educators the opportunity to visit the Educator Resource Center Network (ERCN), NASA forms partnerships with planetariums, universities, museums, and other nonprofit organizations to serve as RERCs. Teachers may preview or copy NASA materials upon request.

Oregon Museum of Science and Industry
NASA Regional Educator Resource Center
1945 SE Water Avenue
Portland, OR 97214-3354
(503) 797-4579

Space Grant Consortium

The Space Grant Consortium in each State consists of colleges, universities, industry, and other organizations that have an interest in aeronautics and space education. Each consortium receives NASA funds for use in implementing a balanced program of research, education, and public service.

Oregon Space Grant Consortium
Department of Nuclear Engineering
Radiation Center C116
Oregon State University
Corvallis, OR 97331-5902
(503) 737-2414

Washington

▶ Department of Agriculture (USDA)

4-H State Leader

The State 4-H Youth Development Programs are administered by the Cooperative Extension Service at land-grant universities. State 4-H leaders coordinate outreach services and training to all county offices.

Dr. Patricia Boyes, Interim Assistant
Director, 4-H
Washington State University–Puyallup Center
7612 Pioneer Way East
Puyallup, WA 98371-4998
(206) 840-4589 / Fax: (206) 840-4671
E-mail: boyes@wsuvm1.csc.wsu.edu

Ag in the Classroom State Leader

This program promotes increased understanding of agriculture and possible careers in the agricultural sciences. With National leadership provided by USDA, each State manages its own programs, with assistance from agribusiness, educational institutions, and government.

Shan Schnebly
Washington Ag in the Classroom
PO Box 786
Ellensburg, WA 98926-0786
(509) 962-4134

Doug Hassien
PO Box 4256
Olympia, WA 98504-2560
(206) 902-1940

▶ Department of Commerce (DOC)

National Oceanic and Atmospheric Administration (NOAA)

NOAA coordinates agency-wide efforts to educate the public about Earth-systems science and to increase awareness of the Agency's mission. The Teacher-at-Sea Program provides teachers (K–16, any subject) the opportunity to participate in a field research project along with NOAA scientists aboard a NOAA research vessel.

Judy Sohl, Educational Affairs Office
National Oceanic and Atmospheric
Administration
7600 Sand Point Way NE
Seattle, WA 98115-0070
(206) 526-6622 / Fax: (206) 526-6609

National Sea Grant College Program, Operation Pathfinder

The program consists of two-week summer courses that present an introduction to oceanographic and coastal processes. Courses are available in six regions and are designed to enhance skills in science teaching.

Michael Spranger
Washington Sea Grant
University of Washington, HG-3
3716 Brooklyn Avenue NE
Seattle, WA 98105-6716
(206) 543-6600 / Fax: (206) 685-0380

Padilla Bay National Estuarine Research Reserve

The reserve offers both onsite and in-school education programs.

Glen Alexander, Education Coordinator
Padilla Bay National Estuarine Research Reserve
1043 Bayview-Edison Road
Mount Vernon, WA 98273
(360) 428-1558 / Fax: (360) 428-1491

▶Department of Defense (DoD)

Naval Submarine Base, Bangor

The base participates in the Navy Community Service Program through formation of partnerships with schools and other youth organizations throughout the area. The commander of Submarine Group Nine coordinates regional partnerships. The commander of Submarine Base, Bangor, is the local coordinator for projects in Bangor and Silverdale.

COMSUBASE, Bangor
Commander
Submarine Base, Bangor
1100 Humley Road
Silverdale, WA 98315-1199
(206) 396-4840

COMSUBGRU NINE
Commander
Submarine Group Nine
2150 Thresher Avenue
Code N-33
Silverdale, WA 98315-2150
(206) 396-6095 or 6118

Naval Undersea Museum

The museum presents exhibits and educational programs that explain the sciences and technologies employed under the sea. Tours and educational programs are available upon request.

Naval Undersea Museum
610 Dowell Street
Keyport, WA 98345-7610
(360) 396-4148, ext. 201

▶Department of Education (ED)

Eisenhower State Coordinators

Eisenhower State Coordinators administer the Eisenhower Professional Development Program State Formula grants. The program focuses on sustained and intensive high-quality professional development through inservice programs.

Peggy Vatter
Eisenhower Professional Development Program
Office of the Superintendent of Public Instruction
PO Box 47200, Old Capitol Building
Olympia, WA 98504-7200
(360) 753-6757 / Fax: (360) 753-6754

Eisenhower State Coordinators for Higher Education

Eisenhower State Coordinators oversee the Eisenhower Professional Development State Formula Grants for the State Agency for Higher Education (SAHE). The program focuses on teacher enhancement through both inservice and preservice programs.

David Kennedy
Eisenhower Professional Development Program
Office of the Superintendent of Public Instruction
PO Box 47200, Old Capitol Building
Olympia, WA 98504-7200
(360) 753-6727 / Fax: (360) 753-6754

Northwest Educational Technology Consortium (NETC)

ED established the Regional Technology in Education Consortia (R*TEC) program in the fall of 1995 to help States, districts, schools, adult literacy centers, and other educational institutions use advanced technology to support improved teaching and student achievement. R*TEC's role in educational technology is unique in two ways: the emphasis is regional and the primary goal is to ensure that technology is used effectively to support school reform. R*TEC program strategies include professional development, technical assistance, and information dissemination.

Seymour Hanfling, Director
Technology Program
NETC
101 SW Main Street, Suite 500
Portland, OR 97204-3297
(503) 275-9500 / Fax: (503) 275-9584
E-mail: hanflins@nwrel.org
WWW: http://www.netc.org

Gerald Malitz, R*TEC Project Officer
U.S. Department of Education
Office of Educational Research and Improvement
NCES, Room 410c
555 New Jersey Avenue NW
Washington, DC 20208-5651
(202) 219-1364
E-mail: gmalitz@inet.ed.gov

Northwest Regional Educational Laboratory (NWREL)

NWREL identifies effective teaching techniques and school improvement efforts within the region and shares this information with State and local educators.

Ethel Simon-McWilliams, Executive Director
Northwest Regional Educational Laboratory
101 SW Main Street, Suite 500
Portland, OR 97204-3212
(503) 275-9500 / Fax: (503) 275-9489
WWW: http://www.nwrel.org

Science and Mathematics Consortium for Northwest Schools

The Eisenhower Regional Consortium provides information and technical assistance to help States and school districts improve mathematics and science education.

Dr. Ralph T. Nelsen, Director
Science and Mathematics Consortium for Northwest Schools (SMCNWS)
Columbia Education Center
171 NE 102nd Avenue
Portland, OR 97220-4169
(503) 252-4999 / Fax: (503) 252-4866
E-mail: 76106.3006@compuserve.com
WWW: http://www.col-ed.org/smcnws/

▶Department of Energy (DOE)

Bonneville Power Administration

The administration participates in a broad range of education programs in its service territory (Washington, Oregon, Idaho, and Western Montana). Various programs available for teachers and students include math and science enhancements, hands-on learning, work-site mentoring and apprenticeships, competitions, environmental education, tutoring, and others. Projects involve several business, schools, and government agency partnerships. Many employees volunteer each year for various programs.

Joan McNamara, Community Education Coordinator
Bonneville Power Administration
PO Box 3621 Routing APPP
Portland, OR 97208-3621
(503) 230-3709 / Fax: (503) 230-5884
E-mail: jhmcnamara@bpa.gov

Pacific Northwest National Laboratory (PNNL)

University and Science Education Programs conducted by PNNL use the science-rich human and technical resources of a National laboratory to enhance National, regional, and local efforts to provide high-quality mathematics, science, and technology education for all students. A comprehensive array of programs provide teacher preparation and enhancement, curriculum development and dissemination, student incentives and opportunities, and State and regional partnerships. University and Science Education Programs support education reform throughout the State and region in mathematics, science, and technology education.

Jeff Estes, Deputy Manager
University and Science Education Programs
Pacific Northwest National Laboratory
PO Box 999, MS K1-22
Richland, WA 99352
(509) 375-2820 / Fax: (509) 375-2576
E-mail: jc_estes@pnl.gov

Regional Science Bowl

The DOE sponsors a Regional Science Bowl for Washington State high schools in the Tri-cities area. This is a public/private-sponsored academic competition held each February that encourages the study of science and mathematics and the pursuit of related careers. The regional winner advances to the National competition held each spring.

Bartley Fain
Human Resources Division
Richland Operations Office
PO Box 550
Richland, WA 99352
(509) 376-8088 / Fax: (509) 376-5335

▶ Department of the Interior (DOI)

Bureau of Land Management State Office

This office provides information about educational programs, materials, and local land-management issues.

Education Coordinator
Bureau of Land Management
PO Box 2965, 1300 NE 44th Avenue
Portland, OR 97208-2965
(503) 280-7287

Earth Science Information Center, Spokane

The center offers information and sales service for U.S. Geological Survey map products and Earth science publications.

Spokane Earth Science Information Center
West 904 Riverside Avenue
U.S. Post Office Building, Room 135
Spokane, WA 99201-1088
(509) 353-2524

Mount Rainier National Park

The park offers regularly scheduled guided nature walks and lectures about the park's ecology, environment, and geology. *Where the River Begins* is an educator's guide to the Nisqually River in the park. This interdisciplinary curriculum for grades K–12 is a cooperative program with the Nisqually River Education Project. A CD-ROM with the same title incorporates interactive animations, games, slides, and videos to enliven information about the natural and human history of the park.

Loren E. Lane, Resource Education Specialist
Mount Rainier National Park
Tahoma Woods, Star Route
Ashford, WA 98304
(206) 569-2211, ext. 3313
Fax: (206) 569-2187

Nisqually National Wildlife Refuge

The education program informs the public (both children and adults) on National Wildlife Refuges and their role in the protection and preservation of wildlife and related habitats and resources. The variety of habitat and wildlife species at Nisqually NWR are featured.

Willard B. Hesselbart, Refuge Manager
Nisqually NWR
100 Brown Farm Road
Olympia, WA 98516
(360) 753-9467 / Fax: (360) 534-9302

Olympic National Park

The park offers teacher workshops, guided nature walks, and curriculum materials that can be used as guides to the park. Olympic also allows educators to borrow Discovery Trunks that contain educational materials and activities.

Living Forest (also referred to as The Park in Your Backyard) is designed to help students, teachers, and parents learn about and enjoy the lowland and old growth forests of Olympic National Park. The program includes a 180-page curriculum guide containing natural history information and activities for both the classroom and outdoors. Three educational trunks with learning materials and activity guides are available for teachers to check out and use for two-week periods. In addition, the park provides varied field trip opportunities, as well as several teacher workshops each year.

Education Coordinator
Olympic National Park
600 East Park Avenue
Port Angeles, WA 98362
(206) 452-4501, ext. 236
Fax: (206) 452-0307

Project WILD

Project WILD offers teacher training and educational materials. Teacher guides, free to teachers who attend the training session, contain more than 80 supplementary, interdisciplinary activities for grades K–12.

Margaret Tudor, Project WILD Coordinator
Washington Department of Wildlife
600 Capitol Way North
Olympia, WA 98501-1091
(206) 753-1702 / Fax: (206) 664-3515

Ridgefield National Wildlife Refuge

The Environmental Education Program provides access to outdoor sites for local teachers to bring in their classes. Teachers provide activity planning and guidance in environmental education. The refuge staff provide scheduling to avoid conflicts and to arrange for an orientation by volunteers.

James R. Clapp, Refuge Operations Specialist
Ridgefield NWR
PO Box 457
Ridgefield, WA 98642
(360) 887-4106 / Fax: (360) 887-4109

Water Conservation Center

The center sponsors a Water Education Calendar and Poster Contest that results in a regional calendar produced in cooperation with the International Office of Water Education and Utah State University. The calendar highlights winners of State poster contests that emphasize water resource issues. The calendar is published and distributed to all elementary schools throughout Idaho, Washington, Oregon, Montana, Alaska, and Hawaii.

Debbie Cross, Public Affairs Officer
Water Conservation Center
PN-6430
North Curtis Road
Boise, ID 83705
(208) 378-5020 / Fax: (208) 378-5066

▶ Department of Labor (DOL)

Job Training Partnership Act (JTPA) Liaison

The JTPA Liaison can provide information about the Job Training Partnership Act State and local programs for economically disadvantaged adults and youth.

210

Larry A. Malo, Assistant Commissioner
Training and Employment Analysis Division
Washington Department of Employment
Security
605 Woodview Drive SE, MS KG11
Olympia, WA 98504-5311
(206) 438-4611 / Fax: (206) 438-3174

▶Department of Transportation (DOT)

Federal Aviation Administration (FAA) Aviation Education

The FAA Aviation Education Representative coordinates aviation education services, including materials and programs for the FAA in the States assigned to the region.

Programs include the following:

- **The Aviation Career Education (ACE) Academy** is a one-week summer aviation education program for high school students sponsored by the FAA along with a host educational institution. The program provides students with diverse experiences in aviation career exploration. The focus is on aviation career clusters identified by FAA, with an emphasis on opportunities for women and minorities. A goal is to have one program in each State and U.S. Territory. The FAA will conduct regional leadership workshops and provide funds based on the availability of resources.
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Herman Payton, ANM-14A, FAA Aviation
Education Representative
1601 Lind Avenue SW
Renton, WA 98055-4056
(206) 227-2079 / Fax: (206) 227-1010

FAA Aviation Education Resource Centers

Located at colleges, museums, and State aviation authority offices, these centers function as information distribution centers for Federal Aviation Administration education materials and resources. The Resource Centers maintain and provide quantities of printed materials, videotapes, and computer educational software. Center personnel can also provide general information, conduct workshops, and make aviation-related presentations.

Gregory Moyce, Education Program Manager
Aviation Education Resource Center
Museum of Flight
9404 East Marginal Way South
Seattle, WA 98108
(206) 764-5700

▶Environmental Protection Agency (EPA)

EPA Regional Office

This office takes part in a variety of environmental education programs for both teachers and students. Programs range from teacher workshops and student contests to in-school presentations. Information on environmental issues is also available through the Public Information Center located at the office.

Sally Hanft, Environmental Education
Coordinator
Environmental Protection Agency
1200 Sixth Avenue (EXA-142)
Seattle, WA 98101
(206) 553-1207 / Fax: (206) 553-0149

The President's Environmental Youth Awards (PEYA) Program

Young people from each State are invited to participate in PEYA, a nationwide program designed to encourage individuals, school classes, summer camps, public interest groups, and youth organizations to promote environmental awareness and community involvement. The two components of the program are the regional certificate program and the National awards competition. Regional certificates, signed by the President, are awarded to each participant by EPA regional offices. National individual project winners, or one representative from a National award-winning group project, along with one sponsor, are honored at EPA headquarters in Washington, DC. Interested K–12 individuals or groups may obtain application materials and contest rules by contacting the EPA Regional Office that serves their State. PEYA has been an ongoing project since it was created by the White House Office of Education and the EPA in 1971.

EPA Region 10
1200 Sixth Avenue
Seattle, WA 98101
(800) 424-4EPA
(206) 553-1207 / Fax: (206) 553-0149

▶National Aeronautics and Space Administration (NASA)

NASA Educator Resource Center

The center has NASA-related educational materials in various formats, including laserdiscs, CD-ROMs, videotapes, slides, audiotapes, publications, and teacher guides. Educators may preview or copy NASA materials upon request.

NASA Ames Research Center
Educator Resource Laboratory
Educator Resource Center, MS T12-A
Moffett Field, CA 94035-1000
(415) 604-3574

NASA Field Centers

Each field center has an educational programs officer who is responsible for precollege education programs. In addition to administering National programs, the center offers programs and services to meet regional and local needs.

Garth A. Hull, Chief
Educational Programs Branch
NASA Ames Research Center, MS 204-12
Moffett Field, CA 94035
(415) 604-5543

NASA Regional Educator Resource Center (RERC)

To offer more educators the opportunity to visit the Educator Resource Center Network (ERCN), NASA forms partnerships with planetariums, universities, museums, and other nonprofit organizations to serve as RERCs. Teachers may preview or copy NASA materials upon request.

University of Washington
NASA Regional Educator Resource Center
AK-50, c/o Geophysics Department
Seattle, WA 98195
(206) 543-1943

Space Grant Consortium

The Space Grant Consortium in each State consists of colleges, universities, industry, and other organizations that have an interest in aeronautics and space education. Each consortium receives NASA funds for use in implementing a balanced program of research, education, and public service.

Washington Space Grant Consortium
University of Washington
Space Grant Box 351650
Seattle, WA 98195-1650
(206) 543-1943

Pacific Region

- American Samoa
- Commonwealth of the Northern Mariana Islands
- Federated States of Micronesia
- Guam
- Hawaii
- Republic of the Marshall Islands
- Republic of Palau

Pacific Mathematics and Science Regional Consortium

Pacific Mathematics and Science Regional Consortium

The Pacific Mathematics and Science Regional Consortium is one of 10 Eisenhower Mathematics and Science Regional Consortia established by the U.S. Department of Education. The National Network of Eisenhower Regional Consortia and the Eisenhower National Clearinghouse for Mathematics and Science Education (ENC) form a coordinated, field-based National infrastructure to promote systemic educational reform.

The Consortium serves 10 Pacific Island entities. Its mission is to support professional communities of educators and their partners as they work to improve mathematics and science teaching and learning. The Pacific Consortium believes the path to improvement in the classroom lies within and through teachers' professional communities, which generate knowledge, craft new standards, and sustain participants in their efforts to reflect, examine, experiment, and change. To this end, the Consortium focuses on providing technical assistance in implementation, innovation, and dissemination of exemplary materials, teaching strategies, and assessment resources for elementary and secondary students, teachers, and administrators.

Given the cultural, linguistic, economic, and environmental diversity of the Pacific region, and the geographic isolation of a significant number of the region's teachers, many of the projects and programs supported by the Pacific Consortium involve long-term and multiphase professional development that combines a variety of models: training, teacher-as-researcher study groups, teacher case studies, credit coursework, and a new educator-in-residence approach. Consortium support often incorporates a training-of-trainers model to ensure that local resources are available. It also makes use of local, regional, and National telecommunications networks and builds in local adaptations that recognize and celebrate the diversity that enriches Pacific education.

One major feature of the Pacific Consortium is the Mathematics and Science Leadership Team, which consists of mathematics and science specialists from each entity. The team is the core development and implementation group for all regional documents and projects carried out through the Consortium. It also determines the kinds of activities to be carried out in the home entities of the team members, as well as supporting school-based initiatives through the Visions and Dreams Program for each entity's schools and teachers. The competition is funded through the Pacific Consortium. Below are some of the activities the Leadership Team has developed or is implementing across the region and within each entity.

Pacific Consortium Regional Activities

- **The Pacific Educational Conference**
  The Consortium uses this conference to highlight activities of interest to the region's educators, to disseminate information about the Consortium's regional and entity-specific projects, to demonstrate effective classroom practices and quality assessment strategies, and to distribute exemplary materials.
- **Support for Educational Initiatives**
  The Pacific Consortium supports region-wide and individual entity initiatives. It works in partnership with the University of Hawaii's Curriculum Research and Development Group (CRDG), whose staff support the work of the Leadership Team and provide training and technical assistance in implementing regionally and Nationally recognized courses and projects. In collaboration with the CRDG mathematics and science faculty, the team has developed *Pacific Standards for Excellence in Mathematics*, *Pacific Standards for Excellence in Science*, and *Pacific Standards for Excellence in Teaching, Assessment, and Professional Development*. These standards are appropriate for the region and aligned with world-class standards.
- **Networking**
  The Consortium is encouraging a network of teachers across the Pacific and beyond to share information, ideas, and projects via Far-Reaching Information Sharing (FISHnet).
- **Assessment Projects**
  The Yap Classroom Learning Assessment Project is a multiphase initiative addressing improvement in classroom assessment, curriculum, and instruction through training of trainers and direct teacher training. The Commonwealth of the Northern Mariana Islands (CNMI) Performance Assessment Project is similar to the Yap Project. Program managers in CNMI have formed a training team that is developing performance tasks, assessment criteria, and scoring rubrics.
- **The Guam Mathematics Project**
  This project involves teachers—one from each of Guam's 29 public elementary schools and middle schools—in learning how to teach and assess school mathematics for understanding. Ten of these teachers will receive additional staff development to become trainers within the local school district.
- **School/Community-Based Management (SCBM) Projects**
  Serving Hawaii schools, these projects involve Consortium staff and partners from the University of Hawaii in residence one to two days per month to provide focused technical assistance (developing curriculum, creating active learning environments, using heterogeneous work groups, and conducting classroom assessments) to small groups of teachers who plan and implement integrated thematic units.

The Pacific Consortium uses diverse resources to meet the needs of the region's mathematics and science educators. *Voyages in Mathematics and Science* is a quarterly teacher-oriented publication that emphasizes practical applications of quality mathematics and science strategies.

Another effort of the Pacific Consortium is to familiarize educators with technologies that can improve and enhance the teaching and learning of science and mathematics in the region's classrooms. The mechanism for this effort is the Pacific Regional Technology Demonstration Site, which was in Honolulu but has now begun to move to other locales in the region. The demonstration site is a multi-prong partnership among the ENC, Pacific Consortium, departments of education, and other educational institutions in the region.

Developed through the collaborative efforts of the 10 regional educational laboratories' Laboratory Networking Project (LNP), the Pacific Consortium provides exemplary resources for training in alternative assessment as well as in successful practices in mathematics and science education. A database, also developed through interlaboratory collaboration and housed at the Consortium, describes alternative assessments in mathematics and science. Printed copies are available.

Paul S. Dumas,
Director

Kathy Busick,
Program Specialist

Alice Borja,
Program Specialist

Barbara Dougherty
Program Specialist

Pacific Mathematics and Science Regional Consortium
Pacific Resources for Education and Learning
828 Fort Street Mall, Suite 500
Honolulu, HI 96813-4321
(808) 533-6000 / Fax: (808) 533-7599
WWW: http://prel.hawaii.edu/math-science/

Western Pacific Service Center
Bank of Hawaii Building, Suite 203
Marina Heights Business Park
PPP 145, Box 10000
Puerto Rico, Saipan, MP 96950

Pam Legdesog,
Program Specialist

Yap Service Center
PO Box 985
Colonia, Yap, FM 96943

American Samoa

▶ Department of Agriculture (USDA)

4-H State Leader

The State 4-H Youth Development Programs are administered by the Cooperative Extension Service at land-grant universities. State 4-H leaders coordinate outreach services and training to all county offices.

Ropeti Areta, Acting State 4-H Leader
American Samoa Land Grant
PO Box 2609
Mapusaga, AS 96799
(684) 699-2019 / Fax: (684) 699-4595

▶ Department of Commerce (DOC)

Fagatele Bay National Marine Sanctuary

The sanctuary offers in-school presentations and sponsors the Marine Science Summer Camp, a research-oriented two-week classroom, laboratory, and field-experience program.

Punipuao Lagai, Education Coordinator
Fagatele Bay National Marine Sanctuary
PO Box 4318
Pago Pago, AS 96799
011 (684) 633-7354
Fax: 011 (684) 633-7355

National Sea Grant College Program, Operation Pathfinder

The program consists of two-week summer courses that present an introduction to oceanographic and coastal processes. Courses are available in six regions and are designed to enhance skills in science teaching.

Liz Kumabe
Hawaii Sea Grant
University of Hawaii
1000 Pope Road, MSB 229
Honolulu, HI 96822
(808) 956-2860 / Fax: (808) 956-9106

▶ Department of Education (ED)

Pacific Mathematics and Science Regional Consortium

The Eisenhower Regional Consortium provides information and technical assistance to help States and school districts improve mathematics and science education.

Paul Dumas, Program Director
Pacific Mathematics and Science Regional Consortium
Pacific Resources for Education and Learning
828 Fort Street Mall, Suite 500
Honolulu, HI 96813-4321
(808) 533-6000 / Fax: (808) 533-7599
E-mail: dumasp@prel.hawaii.edu
WWW: http://prel.hawaii.edu/math-science/

Pacific Region Educational Laboratory (PREL)

PREL identifies effective teaching techniques and school improvement efforts within the region and shares this information with State and local educators.

John W. Kofel, Executive Director
Pacific Region Educational Laboratory
828 Fort Street Mall, Suite 500
Honolulu, HI 96813
(808) 533-6000 / Fax: (808) 533-7599
WWW: http://prel-oahu-1.prel.hawaii.edu/

Pacific and Southwest Regional Technology in Education Consortium (PSR*TEC)

ED established the Regional Technology in Education Consortia (R*TEC) program in the fall of 1995 to help States, districts, schools, adult literacy centers, and other educational institutions use advanced technology to support improved teaching and student achievement. R*TEC's role in educational technology is unique in two ways: the emphasis is regional and the primary goal is to ensure that technology is used effectively to support school reform. Program strategies include professional development, technical assistance, and information dissemination.

Kevin Rocap, Director
PSR*TEC
Center for Language Minority Education & Research
c/o College of Education
California State University, Long Beach
1250 Bellflower Boulevard
Long Beach, CA 90840-2201
(310) 985-1570 / Fax: (310) 985-4528
E-mail: krocap@csulb.edu
WWW: http://www.csulb.edu/~clmer/pswrtc/pswrtc.html

Neal Kaske, R*TEC Project Officer
U.S. Department of Education
Office of Educational Research and Improvement
Office of Library Programs, Room 300h
555 New Jersey Avenue NW
Washington, DC 20208-5571
(202) 219-1871
E-mail: nkaske@inet.ed.gov

▶Department of Labor (DOL)

Job Training Partnership Act (JTPA) Liaison

The JTPA Liaison can provide information about the Job Training Partnership Act State and local programs for economically disadvantaged adults and youth.

Uinifareti Mamea, Director
Department of Human Resources
American Samoa Government
Pago Pago, AS 96799
(684) 633-4485 / Fax: (684) 633-1139

▶Environmental Protection Agency (EPA)

EPA Regional Office

This office takes part in a variety of environmental education programs for both teachers and students. Programs range from teacher workshops and student contests to in-school presentations. Information on environmental issues is also available through the Public Information Center located at the office.

Stacey Benfer, Environmental Education Coordinator
Environmental Protection Agency
75 Hawthorne Street (E-2)
San Francisco, CA 94105
(415) 744-1586 / Fax: (415) 744-1605

The President's Environmental Youth Awards (PEYA) Program

Young people from each State are invited to participate in PEYA, a nationwide program designed to encourage individuals, school classes, summer camps, public interest groups, and youth organizations to promote environmental awareness and community involvement. The two components of the program are the regional certificate program and the National awards competition. Regional certificates, signed by the President, are awarded to each participant by EPA regional offices. National individual project winners, or one representative from a National award-winning group project, along with one sponsor, are honored at EPA headquarters in Washington, DC. Interested K–12 individuals or groups may obtain application materials and contest rules by contacting the EPA Regional Office that serves their State. PEYA has been an ongoing project since it was created by the White House Office of Education and the EPA in 1971.

EPA Region 9
75 Hawthorne Street (E-2)
San Francisco, CA 94105
(415) 744-1582 / Fax: (415) 744-1605

Commonwealth of the Northern Mariana Islands

▶Department of Agriculture (USDA)

4-H State Leader

The State 4-H Youth Development Programs are administered by the Cooperative Extension Service at land-grant universities. State 4-H leaders coordinate outreach services and training to all county offices.

Antonio Santos, Acting Director, 4-H
Northern Marianas College
PO Box 1250
Saipan, MP 96950
(670) 234-9022

▶Department of Commerce (DOC)

National Sea Grant College Program, Operation Pathfinder

The Operation Pathfinder Program consists of two-week summer courses that present an introduction to oceanographic and coastal processes. Courses are available in six regions and are designed to enhance skills in science teaching.

Liz Kumabe
Hawaii Sea Grant
University of Hawaii
1000 Pope Road, MSB 225
Honolulu, HI 96822
(808) 956-2860 / Fax: (808) 956-9106

▶Department of Education (ED)

Pacific Mathematics and Science Regional Consortium

The Eisenhower Regional Consortium provides information and technical assistance to help States and school districts improve mathematics and science education.

Paul Dumas, Program Director
Pacific Mathematics and Science Regional Consortium
Pacific Resources for Education and Learning
828 Fort Street Mall, Suite 500
Honolulu, HI 96813-4321
(808) 533-6000 / Fax: (808) 533-7599
E-mail: dumasp@prel.hawaii.edu
WWW: http://prel.hawaii.edu/math-science/

Pacific Region Educational Laboratory (PREL)

PREL identifies effective teaching techniques and school improvement efforts within the region and shares this information with State and local educators.

John W. Kofel, Executive Director
Pacific Region Educational Laboratory
828 Fort Street Mall, Suite 500
Honolulu, HI 96813
(808) 533-6000 / Fax: (808) 533-7599
WWW: http://prel-oahu-1.prel.hawaii.edu/

Pacific and Southwest Technology in Education Consortium (PSR*TEC)

ED established the Regional Technology in Education Consortia (R*TEC) program in the fall of 1995 to help States, districts, schools, adult literacy centers, and other educational institutions use advanced technology to support improved teaching and student achievement. R*TEC's role in educational technology is unique in two ways: the emphasis is regional and the primary goal is to ensure that technology is used effectively to support school reform. Program strategies include professional development, technical assistance, and information dissemination.

Kevin Rocap, Director
PSR*TEC
Center for Language Minority Education & Research
c/o College of Education
California State University, Long Beach
1250 Bellflower Boulevard
Long Beach, CA 90840-2201
(310) 985-1570 / Fax: (310) 985-4528
E-mail: krocap@csulb.edu
WWW: http://www.csulb.edu/~clmer/pswrtc/pswrtc.html

Neal Kaske, R*TEC Project Officer
U.S. Department of Education
Office of Educational Research and
Improvement
Office of Library Programs, Room 300h
555 New Jersey Avenue NW
Washington, DC 20208-5571
(202) 219-1871
E-mail: nkaske@inet.ed.gov

▶Department of Labor (DOL)

Job Training Partnership Act (JTPA) Liaison

The JTPA Liaison can provide information about the Job Training Partnership Act State and local programs for economically disadvantaged adults and youth.

Florida De La Cruz, Executive Director
Marianas JTPA Program
Office of the Governor
Commonwealth of the Northern Mariana
Islands
Saipan, MP 96950
(670) 664-7000/7001 / Fax: (670) 322-5096

Federated States of Micronesia

Chuuk
Kosrae
Pohnpei
Yap

▶Department of Agriculture (USDA)

4-H State Leader

The State 4-H Youth Development Programs are administered by the Cooperative Extension Service at land-grant universities. State 4-H leaders coordinate outreach services and training to all county offices.

Anita R. Suta, Director
Cooperative Extension Service
College of Micronesia
PO Box 1179
Kolonia, Pohnpei, FM 96941
(691) 320-2728 or 2590 / Fax: (691) 320-2726

Ag in the Classroom State Leader

This program promotes increased understanding of agriculture and possible careers in the agricultural sciences. With National leadership provided by USDA, each State manages its own programs, with assistance from agribusiness, educational institutions, and government.

Dr. Ruben Dayrit
CTAS/College of Micronesia
Kolonia, Pohnpei, FMS 96941
(691) 320-2738 / Fax: (691) 320-2726

▶Department of Commerce (DOC)

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Liz Kumabe
Hawaii Sea Grant
University of Hawaii
1000 Pope Road, MSB 225
Honolulu, HI 96822
(808) 956-2860 / Fax: (808) 956-9106

▶Department of Education (ED)

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Pacific Mathematics and Science Regional
Consortium
Pacific Resources for Education and Learning
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Honolulu, HI 96813-4321
(808) 533-6000 / Fax: (808) 533-7599
E-mail: dumasp@prel.hawaii.edu
WWW: http://prel.hawaii.edu/math-science/

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Pacific Region Educational Laboratory
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Honolulu, HI 96813
(808) 533-6000 / Fax: (808) 533-7599
WWW: http://prel-oahu-1.prel.hawaii.edu/

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Kevin Rocap, Director
PSR*TEC
Center for Language Minority Education &
Research
c/o College of Education
California State University, Long Beach
1250 Bellflower Boulevard
Long Beach, CA 90840-2201
(310) 985-1570 / Fax: (310) 985-4528
E-mail: krocap@csulb.edu
WWW: http://www.csulb.edu/~clmer/
pswrtc/pswrtc.html

Neal Kaske, R*TEC Project Officer
U.S. Department of Education
Office of Educational Research and
Improvement
Office of Library Programs, Room 300h
555 New Jersey Avenue NW
Washington, DC 20208-5571
(202) 219-1871
E-mail: nkaske@inet.ed.gov

▶Department of Labor (DOL)

Job Training Partnership Act (JTPA) Liaison

The JTPA Liaison can provide information about the Job Training Partnership Act State and local programs for economically disadvantaged adults and youth.

Kohne K. Ramon, Acting Director
Office of Administrative Service
Government of the Federated States of
Micronesia
PO Box 490
Kolonia, Pohnpei, FM 96941
(691) 320-2618 / Fax: (691) 320-5854

Guam

▶ Department of Agriculture (USDA)

4-H State Leader

The State 4-H Youth Development Programs are administered by the Cooperative Extension Service at land-grant universities. State 4-H leaders coordinate outreach services and training to all county offices.

Theodore M. Iyechade, 4-H Program Leader
College of Agriculture and Life Sciences
CES, 4-H, and Youth
University of Guam
Mangilao, GU 96923
(671) 734-4753 / Fax: (671) 734-6842

Ag in the Classroom State Leader

This program promotes increased understanding of agriculture and possible careers in the agricultural sciences. With National leadership provided by USDA, each State manages its own programs, with assistance from agribusiness, educational institutions, and government.

Victor Artero
College of Agriculture and Life Sciences
University of Guam
Mangilao, GU 96923
(671) 735-2009 / Fax: (671) 734-6842

▶ Department of Commerce (DOC)

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Liz Kumabe
Hawaii Sea Grant
University of Hawaii
1000 Pope Road, MSB 225
Honolulu, HI 96822
(808) 956-2860 / Fax: (808) 956-9106

▶ Department of Defense (DoD)

U.S. Naval Forces Marianas, Guam

The base participates in the Navy Community Service Program through formation of partnerships with schools and other youth organizations in the area.

COMNAVMARIANAS GQ
Commander
U.S. Naval Forces Marianas
PSC 489, Box 28
FPO AP 96536-0051
(671) 349-5212

▶ Department of Education (ED)

Pacific Mathematics and Science Regional Consortium

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Paul Dumas, Program Director
Pacific Mathematics and Science Regional Consortium
Pacific Resources for Education and Learning
828 Fort Street Mall, Suite 500
Honolulu, HI 96813-4321
(808) 533-6000 / Fax: (808) 533-7599
E-mail: dumasp@prel.hawaii.edu
WWW: http://prel.hawaii.edu/math-science/

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PSR*TEC
Center for Language Minority Education & Research
c/o College of Education
California State University, Long Beach
1250 Bellflower Boulevard
Long Beach, CA 90840-2201
(310) 985-1570 / Fax: (310) 985-4528
E-mail: krocap@csulb.edu
WWW: http://www.csulb.edu/~clmer/pswrtc/pswrtc.html

Neal Kaske, R*TEC Project Officer
U.S. Department of Education
Office of Educational Research and Improvement
Office of Library Programs, Room 300h
555 New Jersey Avenue NW
Washington, DC 20208-5571
(202) 219-1871
E-mail: nkaske@inet.ed.gov

▶ Department of Labor (DOL)

Job Training Partnership Act (JTPA) Liaison

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Peter S. Calvo, Director
Agency for Human Resources Development
PO Box CP
Agana, GU 96910
(671) 646-9341 / Fax: (671) 646-9339

▶ Environmental Protection Agency (EPA)

EPA Regional Office

This office takes part in a variety of environmental education programs for both teachers and students. Programs range from teacher workshops and student contests to in-school presentations. Information on environmental issues is also available through the Public Information Center located at the office.

Stacey Benfer, Environmental Education Coordinator
Environmental Protection Agency
75 Hawthorne Street (E-2)
San Francisco, CA 94105
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EPA Region 9
75 Hawthorne Street (E-2)
San Francisco, CA 94105
(415) 744-1582 / Fax: (415) 744-1605

Hawaii

▶ Department of Agriculture (USDA)

4-H State Leader

The State 4-H Youth Development Programs are administered by the Cooperative Extension Service at land-grant universities. State 4-H leaders coordinate outreach services and training to all county offices.

Rose Saito, Acting Program Leader
4-H Youth Development
University of Hawaii at Manoa
3050 Maile Way
Honolulu, HI 96822
(808) 956-8327 / Fax: (808) 988-9681
E-mail: ta_4h@avax.ctahr.hawaii.edu

Ag in the Classroom State Leader

This program promotes increased understanding of agriculture and possible careers in the agricultural sciences. With National leadership provided by USDA, each State manages its own programs, with assistance from agribusiness, educational institutions, and government.

Michael Barros
Department of Education
2530 10th Avenue
Building A, Room 23
Honolulu, HI 96816
(808) 733-9125

▶ Department of Commerce (DOC)

Hawaiian Islands Humpback Whale National Marine Sanctuary

The sanctuary was congressionally designated in November 1992. Currently under development is a Sanctuary Management Plan that includes an education and interpretation section. Educational activities highlight the humpback whale and Hawaii's unique marine environment.

Allen Tom, Manager
Hawaiian Islands Humpback Whale
National Marine Sanctuary
726 South Kihei Road
Kihei, HI 96753
(808) 879-2818
(800) 831-4888 (Neighbor Islands)
Fax: (808) 874-3815

National Sea Grant College Program, Operation Pathfinder

The Operation Pathfinder Program consists of two-week summer courses that present an introduction to oceanographic and coastal processes. Courses are available in six Regions and are designed to enhance skills in science teaching.

Liz Kumabe
Hawaii Sea Grant
University of Hawaii
1000 Pope Road, MSB 225
Honolulu, HI 96822
(808) 956-2860 / Fax: (808) 956-9106

▶ Department of Defense (DoD)

Naval Base, Pearl Harbor

The base participates in the Navy Community Service Program through formation of partnerships with schools and other youth organizations in the area.

COMNAVBASE, Pearl Harbor HI
Commander
Naval Base
Pearl Harbor, HI 96860-5350
(808) 474-4750

▶ Department of Education (ED)

Eisenhower State Coordinators

Eisenhower State Coordinators administer the Eisenhower Professional Development Program State Formula grants. The program focuses on sustained and intensive high-quality professional development through inservice programs.

Justin Mew
Eisenhower Professional Development Program
189 Lunalilo Home Road, Second Floor
PO Box 2360
Honolulu, HI 96825
(808) 396-2567 / Fax: (808) 548-5390

Kathleen Nishimura
Eisenhower Professional Development Program
189 Lunalilo Home Road, Second Floor
PO Box 2360
Honolulu, HI 96825
(808) 396-2567 / Fax: (808) 548-5390

Eisenhower State Coordinators for Higher Education

Eisenhower State Coordinators oversee the Eisenhower Professional Development State Formula Grants for the State Agency for Higher Education (SAHE). The program focuses on teacher enhancement through both inservice and preservice programs.

Thomas W. Sileo
Eisenhower Professional Development Program
University of Hawaii, College of Education
1776 University Avenue
Honolulu, HI 96825
(808) 956-7704 / Fax: (808) 956-3106

Pacific Mathematics and Science Regional Consortium

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Paul Dumas, Program Director
Pacific Mathematics and Science Regional Consortium
Pacific Resources for Education and Learning
828 Fort Street Mall, Suite 500
Honolulu, HI 96813-4321
(808) 533-6000 / Fax: (808) 533-7599
E-mail: dumasp@prel.hawaii.edu
WWW: http://prel.hawaii.edu/math-science/

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WWW: http://prel-oahu-1.prel.hawaii.edu/

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PSR*TEC
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WWW: http://www.csulb.edu/~clmer/pswrtc/pswrtc.html

Neal Kaske, R*TEC Project Officer
U.S. Department of Education
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Office of Library Programs, Room 300h
555 New Jersey Avenue NW
Washington, DC 20208-5571
(202) 219-1871
E-mail: nkaske@inet.ed.gov

▶ Department of Energy (DOE)

Regional Science Bowl

DOE sponsors a Regional Science Bowl for Hawaii high schools. Held each February, this is a public/private-sponsored academic competition that encourages the study of science and mathematics and the pursuit of related careers. The regional winner advances to the National competition held each spring.

Eileen Yoshinaka
PO Box 50168
Honolulu, HI 96850
(808) 541-2564 / Fax: (808) 541-2562

▶ Department of the Interior (DOI)

Haleakala National Park

Guided, environmental field trips for school groups are the primary activities offered at the park. Teacher guides and pre-visit materials are provided for field trip participants.

Other programs include the following:

- **If Rocks Could Talk** lets students conduct experiments and map landforms while hiking. The goal is to learn how Hawaii was created by volcanoes and destroyed by erosion. Pre- and post-visit classroom activities are available.
- **Kilohoku O Haleakala** is an hour-long bimonthly program on celestial bodies and events, the role of astronomy in Hawaiian culture, and related mythology.
- **Sliding Sands Wilderness Hike** is a two-mile, two-hour walk into the cinder desert to examine aeolian desert, geology, early Hawaiian usage and mythology, and endangered species.
- **Waikamoi Cloud Forest Hike** is a three-hour, three-mile hike through privately owned reforested grazing land into intact old growth forest to examine impacts on the native biota and the role of the forest in Hawaiian culture.
- **Who Lives at Haleakala?** examines species of plants and animals found on Haleakala that are unique and found nowhere else on Earth due to adaptation and isolation of habitat. Pre- and post-visit classroom activities are available.

Bob Butterfield, Chief
Division of Interpretation
Haleakala National Park
PO Box 369
Makawao, HI 96768
(808) 572-9306 / Fax: (808) 572-1304

Hawaii Volcanoes National Park

The park offers nature and orientation walks to inform students about the geological mechanics of volcanoes. In addition, a comprehensive onsite program educates State and visiting mainland students about the adaptation of Hawaiian flora, fauna, and people to their environment and about volcanic phenomena. The teacher's guide to the geology of the park provides lesson plans and audiovisual materials.

Richard Rasp, Chief Park Interpreter
Hawaii Volcanoes National Park
PO Box 52
Hawaii National Park, HI 96718
(808) 967-7184 / Fax: (808) 967-8068 or 8186

Kaloko-Honokohau National Historical Park

Staff offer guided walks and activities to educate students about the geology, anthropology, biology, and history within the park.

Division of Interpretation
Kaloko-Honokohau National Historical Park
73-4786 Kanalani Street, #14
Kailua-Kona, HI 96740
(808) 329-6881

Kauai National Wildlife Refuge

Guided tours and teacher guides that focus on environmental education are available upon request. Students accompanied by their teachers, parents, or group leaders are provided with education and interpretation of Hawaiian wildlife from volunteers and staff. A manual has also been developed for K–6 classroom teachers with curriculum activities for use in the classroom and onsite locations. This program serves 4,000 to 5,000 students annually.

Workshops are held at the complex to train educators how to use the environmental education manual developed for use on the Refuge.

Richard Voss, Project Leader
Kauai NWR Complex
PO Box 87
Hanamaulu, HI 96715
(808) 828-1413 / Fax: (808) 828-1413

Pu'uhonua O Honauuau National Historic Park

The program Living in Harmony with the Land and the Sea invites participants to identify the relationship of animals and plants with Hawaii's conservation laws and practices. The goal is to expand environmental awareness.

Gordon B. Joyce, Chief
Pu'uhonua O Honauuau N.H.P.
Interpretation and Resources Management
PO Box 129
Honauuau, HI 96726
(808) 328-2326 or 2288
Fax: (808) 328-9485

Kalaupapa National Historical Park

The Mololzai Educational Service Project consists of presentations to fourth through sixth graders on Hawaiian natural and cultural history topics such as geology, native plants and animals, and Polynesian settlement and culture. Classroom presentations are followed by field trips.

Penny Martin, Education Specialist
Kalaupapa NHP, HI 96742
(808) 553-5136 or 567-6802
Fax: (808) 567-6729

Project WILD

Project WILD offers teacher training and educational materials. Teacher guides, free to teachers who attend the training session, contain more than 80 supplementary, interdisciplinary activities for grades K–12.

Colleen Murakami, Project WILD Coordinator
Department of Education
189 Lunalilo Home Road
Honolulu, HI 96825
(808) 396-2572 / Fax: (808) 548-5390

Randy Honebrink, Project WILD Coordinator
Hawaii Division of Aquatic Resources
1151 Punchbowl Street
Honolulu, HI 96813
(808) 587-0111 / Fax: (808) 587-0115

▶ Department of Labor (DOL)

Job Training Partnership Act (JTPA) Liaison

The JTPA Liaison can provide information about the Job Training Partnership Act State and local programs for economically disadvantaged adults and youth.

Dayton Nakanelua, Director
Hawaii Department of Labor and Industrial Relations
830 Punchbowl Street, Room 320
Honolulu, HI 96813
(808) 586-8844 / Fax: (808) 586-9099

▶ Department of Transportation (DOT)

Federal Aviation Administration (FAA) Aviation Education

The FAA Aviation Education Representative coordinates aviation education services, including materials and programs for the FAA in the States assigned to the region.

Programs include the following:

- **The Aviation Career Education (ACE) Academy** is a one-week summer aviation education program for high school students sponsored by the FAA along with a host educational institution. The program provides students with diverse experiences in aviation career exploration. The focus is on aviation career clusters identified by FAA, with an emphasis on opportunities for women and minorities. A goal is to have one program in each State and U.S. Territory. The FAA will conduct regional leadership workshops and provide funds based on the availability of resources.
- **Aviation Education Workshops for Teachers** provide teachers with information on FAA aviation programs and materials and prepare them to teach aviation in the classroom. Annual workshops are conducted at colleges and universities across the Nation. The FAA provides information, materials, and speakers for the program.
- **National Congress on Aviation and Space Education** is sponsored annually by the FAA in partnership with the National Aeronautics and Space Administration and the Civil Air Patrol. The meeting includes teacher workshops and crosstalk sessions to exchange ideas on promoting aerospace education.

Sandi Couverley, AWP-17F, FAA Aviation Education Representative
PO Box 92007
Worldway Postal Center
Los Angeles, CA 90009
(310) 297-0556 / Fax: (310) 297-0706

FAA Aviation Education Resource Centers

Located at colleges, museums, and State aviation authority offices, these centers function as information distribution centers for Federal Aviation Administration education materials and resources. The Resource Centers maintain and provide quantities of printed materials, videotapes, and computer educational software. Center personnel can also provide general information, conduct workshops, and make aviation-related presentations.

Veronica Balsa, Director
Aviation Education Resource Center
Mid-Pacific Institute
Aviation/Space Science
2445 Kaala Street
Honolulu, HI 96822
(808) 973-5000

Rodney M. Kuba
Airports Division
Aviation Education Resource Center
State of Hawaii Department of Transportation
Honolulu International Airport
Gate 29, EWA Service Court Road
Honolulu, HI 96819-1898
(808) 836-6542

▶ Environmental Protection Agency (EPA)

EPA Regional Office

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Environmental Protection Agency
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75 Hawthorne Street (E-2)
San Francisco, CA 94105
(415) 744-1582 / Fax: (415) 744-1605

▶ National Aeronautics and Space Administration (NASA)

NASA Educator Resource Center

The center has NASA-related educational materials in various formats, including laserdiscs, CD-ROMs, videotapes, slides, audiotapes, publications, and teacher guides. Educators may preview or copy NASA materials upon request.

NASA Ames Research Center
Educator Resource Laboratory
Educator Resource Center
Mail Stop T12-A
Moffett Field, CA 94035-1000
(415) 604-3574

NASA Field Centers

Each field center has an educational programs officer who is responsible for precollege education programs. In addition to administering National programs, the center offers programs and services to meet regional and local needs.

Garth A. Hull, Chief
Educational Programs Branch
NASA Ames Research Center
Mail Stop 204-12
Moffett Field, CA 94035
(415) 604-5543

NASA Regional Educator Resource Center (RERC)

To offer more educators the opportunity to visit the Educator Resource Center Network (ERCN), NASA forms partnerships with planetariums, universities, museums, and other nonprofit organizations to serve as RERCs. Teachers may preview or copy NASA materials upon request.

Barbers Point Elementary School
NASA Regional Educator Resource Center
Boxer Road
Barbers Point Naval Air Station
Ewa Beach, HI 96706
(808) 673-7410

Space Grant Consortium

The Space Grant Consortium in each State consists of colleges, universities, industry, and other organizations that have an interest in aeronautics and space education. Each consortium receives NASA funds for use in implementing a balanced program of research, education, and public service.

Hawaii Space Grant Consortium
Department of Planetary Geosciences
2525 Correa Road
University of Hawaii at Manoa
Honolulu, HI 96822
(808) 956-3147

Republic of the Marshall Islands

▶ Department of Commerce (DOC)

National Sea Grant College Program, Operation Pathfinder

The program consists of two-week summer courses that present an introduction to oceanographic and coastal processes. Courses are available in six regions and are designed to enhance skills in science teaching.

Liz Kumabe
Hawaii Sea Grant
University of Hawaii
1000 Pope Road, MSB 225
Honolulu, HI 96822
(808) 956-2860 / Fax: (808) 956-9106

▶ Department of Education (ED)

Pacific Mathematics and Science Regional Consortium

The Eisenhower Regional Consortium provides information and technical assistance to help States and school districts improve mathematics and science education.

Paul Dumas, Program Director
Pacific Mathematics and Science Regional Consortium
Pacific Resources for Education and Learning
828 Fort Street Mall, Suite 500
Honolulu, HI 96813-4321
(808) 533-6000 / Fax: (808) 533-7599
E-mail: dumasp@prel.hawaii.edu
WWW: http://prel.hawaii.edu/math-science/

Pacific Region Educational Laboratory (PREL)

PREL identifies effective teaching techniques and school improvement efforts within the region and shares this information with State and local educators.

John W. Kofel, Executive Director
Pacific Region Educational Laboratory
828 Fort Street Mall, Suite 500
Honolulu, HI 96813
(808) 533-6000 / Fax: (808) 533-7599
WWW: http://prel-oahu-1.prel.hawaii.edu/

Pacific and Southwest Technology in Education Consortium (PSR*TEC)

ED established the Regional Technology in Education Consortia (R*TEC) program in the fall of 1995 to help States, districts, schools, adult literacy centers, and other educational institutions use advanced technology to support improved teaching and student achievement. R*TEC's role in educational technology is unique in two ways: the emphasis is regional and the primary goal is to ensure that technology is used effectively to support school reform. Program strategies include professional development, technical assistance, and information dissemination.

Kevin Rocap, Director
PSR*TEC
Center for Language Minority Education & Research
c/o College of Education
California State University, Long Beach
1250 Bellflower Boulevard
Long Beach, CA 90840-2201
(310) 985-1570 / Fax: (310) 985-4528
E-mail: krocap@csulb.edu
WWW: http://www.csulb.edu/~clmer/pswrtc/pswrtc.html

Neal Kaske, R*TEC Project Officer
U.S. Department of Education
Office of Educational Research and Improvement
Office of Library Programs, Room 300h
555 New Jersey Avenue NW
Washington, DC 20208-5571
(202) 219-1871
E-mail: nkaske@inet.ed.gov

▶ Department of Labor (DOL)

Job Training Partnership Act (JTPA) Liaison

The JTPA Liaison can provide information about the Job Training Partnership Act State and local programs for economically disadvantaged adults and youth.

Antonio Elio, Minister of Social Services
PO Box 1138
Majuro, Republic of the Marshall Islands
96960
(692) 625-3345

Republic of Palau

▶ Department of Commerce (DOC)

National Sea Grant College Program, Operation Pathfinder

The program consists of two-week summer courses that present an introduction to oceanographic and coastal processes. Courses are available in six regions and are designed to enhance skills in science teaching.

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Hawaii Sea Grant
University of Hawaii
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Honolulu, HI 96822
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PSR*TEC
Center for Language Minority Education & Research
c/o College of Education
California State University, Long Beach
1250 Bellflower Boulevard
Long Beach, CA 90840-2201
(310) 985-1570 / Fax: (310) 985-4528
E-mail: krocap@csulb.edu
WWW: http://www.csulb.edu/~clmer/pswrtc/pswrtc.html

Neal Kaske, R*TEC Project Officer
U.S. Department of Education
Office of Educational Research and Improvement
Office of Library Programs, Room 300h
555 New Jersey Avenue NW
Washington, DC 20208-5571
(202) 219-1871
E-mail: nkaske@inet.ed.gov

▶ Department of Labor (DOL)

Job Training Partnership Act (JTPA) Liaison

The JTPA Liaison can provide information about the Job Training Partnership Act State and local programs for economically disadvantaged adults and youth.

Keral Mariur, Executive Director
Private Industry Council/SJTCC
PO Box 1138
Koror, Republic of Palau 96940
(680) 488-2513 / Fax: (680) 488-1725

▶ Environmental Protection Agency (EPA)

EPA Regional Office

This office takes part in a variety of environmental education programs for both teachers and students. Programs range from teacher workshops and student contests to in-school presentations. Information on environmental issues is also available through the Public Information Center located at the office.

Stacey Benfer, Environmental Education Coordinator
Environmental Protection Agency
75 Hawthorne Street (E-2)
San Francisco, CA 94105
(415) 744-1586 / Fax: (415) 744-1605

The President's Environmental Youth Awards (PEYA) Program

Young people from each State are invited to participate in PEYA, a nationwide program designed to encourage individuals, school classes, summer camps, public interest groups, and youth organizations to promote environmental awareness and community involvement. The two components of the program are the regional certificate program and the National awards competition. Regional certificates, signed by the President, are awarded to each participant by EPA regional offices. National individual project winners, or one representative from a National award-winning group project, along with one sponsor, are honored at EPA headquarters in Washington, DC. Interested K–12 individuals or groups may obtain application materials and contest rules by contacting the EPA Regional Office that serves their State. PEYA has been an ongoing project since it was created by the White House Office of Education and the EPA in 1971.

EPA Region 9
75 Hawthorne Street (E-2)
San Francisco, CA 94105
(415) 744-1582 / Fax: (415) 744-1605

- Alabama
- Florida
- Georgia
- Mississippi
- North Carolina
- South Carolina

Southeast Region

Eisenhower Consortium for Mathematics and Science Education at SERVE

Eisenhower Consortium for Mathematics and Science Education at SERVE

The Eisenhower Consortium for Mathematics and Science Education at SERVE (SouthEast Regional Vision for Education) is one of 10 Eisenhower Mathematics and Science Regional Consortia established by the U.S. Department of Education. The National Network of Eisenhower Regional Consortia and the Eisenhower National Clearinghouse for Mathematics and Science Education (ENC) form a coordinated, field-based National infrastructure to promote systemic educational reform. The Consortium, a coalition of educators, business leaders, governors, and policymakers, promotes systemic reform in mathematics and science education in its region. In collaboration with other stakeholders in the region, the Consortium works to expand and enhance mathematics and science education by providing technical assistance, linking and coordinating resources, using technology, and disseminating information about successful practices.

The Consortium's goal is to empower educators in the Southeast to provide quality mathematics and science programs for all students. In keeping with the Consortium's philosophy of decentralizing technical assistance through the use of field offices, three of the Consortium's Program Specialists are housed in offices outside of Florida (Greensboro, NC; Atlanta, GA; and Cleveland, MS).

Collaboration and coordination are the foundation for the Consortium's work, and since its inception, the Consortium has been involved in Laboratory and Consortium Network Programs. The Consortium provided leadership in the identification of exemplary mathematics and science programs for the National Network's Successful Practices effort. Also, the Consortium led the task force that compiled and published an Equity Resource Guide for Mathematics and Science Education. At the regional level, the Consortium continues to seize upon opportunities to work with a variety of stakeholders to carry out its mission. For example, mathematics and science specialists, State- and district-level administrators, and Eisenhower State Grant program coordinators were involved in the identification of exemplary programs and practices.

Consortium Programs

To more effectively disseminate information concerning exemplary programs and deliver focused technical assistance, the Consortium has developed an annual institute and a technical assistance academy.

- **The Promising Practices Leadership Institute**, an annual event held each September, showcases the talents and enhances the leadership skills of past Promising Practices award winners, National Science Foundation (NSF) projects, and other exemplary programs from across the region and Nation. District or school-level teams are invited from each of the six SERVE States to participate in sessions that highlight these programs. The sessions are intended to equip teachers with skills and knowledge needed to develop strategies to implement new programs in their schools.
- **The Technical Assistance Academy for Mathematics and Science Services (TAAMSS)** is the cornerstone of the Consortium's delivery of region-wide technical assistance. The Academy's goal is to provide high quality professional development to a cadre of staff developers and lead teachers from each State. These participants then function as regional resources and assist other teachers and educators to develop strategies for improving the teaching of mathematics, science, and technology. Academy participants are affiliated with a variety of education agencies including universities, State and Urban Systemic Initiatives, Regional Service Centers, and local districts, especially those recognized as being in "critical" need. The Academy provides training for an array of topics, including technology, facilitative leadership for change, alternative assessment, curriculum frameworks, implementing National standards, and grant writing.

The Consortium also focuses on enhancing the work of others by linking and coordinating resources. In this role, the Consortium contributes support to established programs and agencies. Examples of this kind of activity include the following:

- **The South Eastern Consortium for Minorities in Engineering (SECME) Summer Institute** provides an opportunity for teachers to learn new methods to enrich their instructional programs. For example, the teachers spend a significant portion of their time doing hands-on projects in engineering laboratories and in industrial/manufacturing settings. Also, the teachers are provided sessions that focus on the required academic preparation for students pursuing engineering and information regarding the current opportunities in the engineering profession. SECME combines many of the components needed to bring about equity in mathematics and science education.
- **The Technology Institute at Fayetteville State University** is a week-long summer institute for teachers and professors linked to the Historically Black Colleges and Universities (HBCU) network. Participants from across the southeast and Nation are introduced to interactive and calculator-based methods for engaging students in upper-level mathematics courses such as Trigonometry and Calculus. Using the Internet as a resource is also stressed.

Publications

The Eisenhower Consortium at SERVE distributes SERVE catalogs and publications as well as publications form the U.S. Department of Education, the Eisenhower National Clearinghouse for Mathematics and Science Education (ENC), and the NSF. The Consortium also distributes its own publications. *Action Research: Perspectives From Teachers' Classrooms* and *Science in the Elementary School Classroom: Portraits of Action Research* are monographs consisting of studies conducted and reported by middle school science teachers for Florida State University's Science FEAT (Science For Early Adolescence Teachers) program. *Policy Brief: The Need for Improved Mathematics and Science Education* depicts the status of mathematics and science education in the region and the need for improvement. A newsletter, *Common Denominator*, is published twice a year with a special focus for each issue; past topics have included systemic reform, equity, and informal science.

Dr. Francena D. Cummings,
Director

Karen Charles,
Program Specialist (NC/SC)

Cheryl Cliett,
Program Specialist (FL)

John Roberts,
Program Specialist (AL/MS)

Lori Donoho,
Program Specialist (GA)

Michael Vigliano,
Research Associate

Jane Griffin,
Evaluation Specialist

Cindy Byrd,
Instructional Technology Specialist

Eisenhower Consortium for Mathematics and Science Education at SERVE
345 South Magnolia Drive, Suite E-22
Tallahassee, FL 32301
(850) 671-6033
(800) 854-0476 / Fax: (850) 671-6010
WWW: http://www.serve.org/Eisenhower/

Alabama

▶ Department of Agriculture (USDA)

4-H State Leader

The State 4-H Youth Development Programs are administered by the Cooperative Extension Service at land-grant universities. State 4-H leaders coordinate outreach services and training to all county offices.

Dr. Wilma J. Ruffin, Extension Assistant
Director
4-H Youth Development Programs
101 Duncan Hall
Auburn, AL 36849
(334) 844-5540 / Fax: (334) 844-5544
E-mail: wruffin@acenet.auburn.edu

Ag in the Classroom State Leader

This program promotes increased understanding of agriculture and possible careers in the agricultural sciences. With National leadership provided by USDA, each State manages its own programs, with assistance from agribusiness, educational institutions, and government.

Jane Alice Lee
2101 Bell Road
Montgomery, AL 36117
(334) 240-7124

Brenda Summerlin
Department of Agriculture and Industries
PO Box 3336
Montgomery, AL 36193
(334) 240-7124

▶ Department of Commerce (DOC)

National Sea Grant College Program, Operation Pathfinder

The program consists of two-week summer courses that present an introduction to oceanographic and coastal processes. Courses are available in six regions and are designed to enhance skills in science teaching.

Sharon Walker
Mississippi-Alabama Sea Grant Consortium
and Gulf Coast Research Laboratory
PO Box 7000
Ocean Springs, MS 39566-7000
(601) 374-5550 / Fax: (601) 374-5559

Weeks Bay National Estuarine Research Reserve

The reserve offers onsite and outreach education programs.

Margaret Helcombe, Education Coordinator
Weeks Bay National Estuarine Research
Reserve
Marine Resources Division
Department of Economic and Community
Affairs
11300, U.S. Highway 98
Fairhope, AL 36532
(334) 928-9792 / Fax: (334) 928-1792

▶ Department of Defense (DoD)

Science and Engineering Apprentice Program

This program, supported by DoD and administered by The George Washington University, is designed to provide research experience for high school students attending school near this participating research facility. Each student works with a senior scientist or engineer who acts as a mentor for eight weeks during the summer. Redstone Arsenal sponsors two separate operations.

Katie Blanding, Ph.D.
Army Test, Measurement and Diagnostic
Equipment Activity (TMDE-A)
Redstone Arsenal, AL 35898-5400
(205) 876-9296

U.S. Army Aviation Museum

The museum's displays depict the transformation of aviation technology from 1918 to the present. Guided tours available through advance arrangements.

U.S. Army Aviation Museum
PO Box 610620
Fort Rucker, AL 36362-0610
(334) 255-3036

▶ Department of Education (ED)

Eisenhower Consortium for Mathematics and Science Education at SERVE

The Eisenhower Regional Consortium provides information and technical assistance to help States and school districts improve mathematics and science education.

Francena Cummings, Director
Eisenhower Consortium for Mathematics and
Science Education at SERVE
345 South Magnolia Drive, Suite D-23
Tallahassee, FL 32301-2950
(800) 854-0476
(904) 671-6033 / Fax: (904) 671-6010
WWW: http://www.serve.org/Eisenhower

Eisenhower State Coordinators

Eisenhower State Coordinators administer the Eisenhower Professional Development Program State Formula grants. The program focuses on sustained and intensive high-quality professional development through inservice programs.

Tyson Thompson and Frankie Mitchum
Eisenhower Professional Development
Program
Alabama Department of Education
5348 Gordon Persons Building
50 North Ripley Street
Montgomery, AL 36130-3901
(334) 242-8199 / Fax: (334) 242-0496

Eisenhower State Coordinators for Higher Education

Eisenhower State Coordinators oversee the Eisenhower Professional Development State Formula Grants for the State Agency for Higher Education (SAHE). The program focuses on teacher enhancement through both inservice and preservice programs.

Dr. Elizabeth C. French
Eisenhower Professional Development Program
Alabama Commission on Higher Education
3465 Norman Bridge Road
Montgomery, AL 36105-2310
(334) 281-1921 / Fax: (334) 281-6711

Southeast and Islands Regional Technology in Education Consortium (SEIR*TEC)

ED established the Regional Technology in Education Consortia (R*TEC) program in the fall of 1995 to help States, districts, schools, adult literacy centers, and other educational institutions use advanced technology to support improved teaching and student achievement. R*TEC's role in educational technology is unique in two ways: the emphasis is regional and the primary goal is to ensure that technology is used effectively to support school reform. Program strategies include professional development, technical assistance, and information dissemination.

Don Holznagel, Director, SEIR*TEC
41 Marietta Street NW, Suite 1000
Atlanta, GA 30303
(800) 659-3204
(404) 893-0100 / Fax: (404) 577-7812
E-mail: dholznag@serve.org
WWW: http://www.serve.org/seir-tec/

Deborah Williams, R*TEC Project Officer
U.S. Department of Education, OERI
ORAD/SLSD, Room 504f
555 New Jersey Avenue NW
Washington, DC 20208-5644
(202) 219-2204
E-mail: Deborah_Williams@ed.gov

SouthEastern Regional Vision for Education (SERVE)

SERVE identifies effective teaching techniques and school improvement efforts within the region and shares this information with State and local educators.

Roy H. Forbes, Executive Director
SERVE
PO Box 5367
Greensboro, NC 27435
(800) 755-3277
(910) 334-3211 / Fax: (910) 334-3268
WWW: http://www.serve.org/

SERVE, Alabama
50 North Ripley Street
5114 Gordon Person Building
Montgomery, AL 36130
(205) 242-9758 / Fax: (205) 242-9708

▶Department of Energy (DOE)

Adventures in Supercomputing (AiS)

AiS is designed to foster and enhance the participation of diverse populations of high school students in mathematics, science, and computing.

Barbara G. Summers, Education Program Manager
Oak Ridge National Laboratory
Office of University and Science Education
PO Box 2008, MS 6366
Oak Ridge, TN 37831-6366
(423) 241-3705 / Fax: (423) 241-6776
E-mail: summersbg@ornl.gov

Appalachian Regional Commission (ARC) and Oak Ridge National Laboratory (ORNL)

A summer science, mathematics, and technology Teacher Leadership Institute is available for secondary teachers to participate in research-based programs at ORNL. The institute is provided in a two-week summer residential format patterned after the ORNL/National Science Foundation (NSF) National Teacher Enhancement Project and Leadership Institute. Participants are selected by the ARC from secondary schools throughout the ARC region. The focus is on hands-on laboratory research applying the tools and methods used in ongoing ORNL projects in research areas (as appropriate for each teacher's teaching assignment), pedagogy, and leadership. The program will feature telecommunications instruction at the ORNL Regional Science Center and telecommunications will be the primary method used for academic year follow-up and continued interactions with the teachers. Participants in the Teacher Leadership Institute will be hosted by several ORNL research divisions based on each teacher's background and interests. A program coordinator with experience in teacher preparation/higher education delivers instruction in pedagogy and educational leadership.

ARC and ORNL also collaborate on a summer science, mathematics, and technology Summer Science Honors Academy for ARC students to participate in research-based programs at ORNL. Student participants (seniors or graduating seniors) will be selected from secondary schools throughout the ARC region. Students will be teamed with research mentors to participate in hands-on laboratory research applying the tools and methods used in ongoing ORNL projects. Students will also receive telecommunications instruction at the ORNL Regional Science Center.

Terry L. Lashley, Education Partnerships Team Leader
Oak Ridge National Laboratory
Office of University and Science Education
PO Box 2008
5500A, MS 6366
Oak Ridge, TN 37831-6366
(423) 574-0689 / Fax: (423) 241-6726
E-mail: TL7@ornl.gov

▶Department of the Interior (DOI)

Bureau of Land Management Eastern States Office

This office provides information about educational programs, materials, and local land-management issues.

Education Coordinator
Bureau of Land Management
7450 Boston Boulevard
Springfield, VA 22153
(703) 440-1713

Career Oriented Science and Mathematics Integrated Course (COSMIC)

This three-week summer program is designed to encourage girls in exploring future careers in the fields of science and math. Participants meet women professionals in various fields.

Gail B. Rainey, Physical Oceanographer
1201 Elmwood Park Boulevard
New Orleans, LA 70123
(504) 736-2792 / Fax: (504) 736-2610

Minerals Management Service (MMS) Regional Office

The MMS Regional Office provides a range of educational services. Teacher inservice programs and classroom visitations may include supplemental materials. Availability may be limited, but arrangements may be made for duplication of some materials at minimal cost.

Gulf of Mexico Outer Continental Shelf Region
Minerals Management Service
Office of Public Affairs
1201 Elmwood Park Boulevard, MS 5000
New Orleans, LA 70123-2394
(504) 736-2595
(800) 200-GULF / Fax: (504) 736-2459

Project WILD

Project WILD offers teacher training and educational materials. Teacher guides, free to teachers who attend the training session, contain more than 80 supplementary, interdisciplinary activities for grades K–12.

Jerry deBin, Project WILD Coordinator
Alabama Division of Game and Fish
64 North Union Street
Montgomery, AL 36130
(205) 242-3623 / Fax: (205) 242-3032

Russell Cave National Monument

Programs include guided tours that focus on the anthropology and geology of the monument.

Division of Interpretation
Russell Cave National Monument
Route 1, Box 175
Bridgeport, AL 35740
(205) 495-2672

Wheeler National Wildlife Refuge

Refuge programs include guided tours and lectures that focus on wildlife management. Teacher workshops include: Project WILD, Aquatic WILD, Project Learning Tree, and Project Learning Tree Facilitator's Workshop. The workshops allow environmental education to be taught to teachers through hands-on activities. The workshops help teachers investigate environmental issues and encourages them to pass these learning experiences on to their students. Participating teachers receive college credit for attendance and completion of the workshops.

Rick Huffines, Supervisory Ranger
Wheeler NWR
Route 4, Box 250
Decatur, AL 35603
(205) 350-6639 / Fax: (205) 340-9728
E-mail: r4rw_al.wlr@mail.fws.gov

▶Department of Labor (DOL)

Job Training Partnership Act (JTPA) Liaison

The JTPA Liaison can provide information about the Job Training Partnership Act State and local programs for economically disadvantaged adults and youth.

Charles B. Stults, Chief
Job Training Division
Alabama Department of Economic and
Community Affairs
401 Adams Avenue
PO Box 5690
Montgomery, AL 36103-5690
(205) 242-5300 / Fax: (205) 242-5855

▶Department of Transportation (DOT)

Federal Aviation Administration (FAA) Aviation Education

The FAA Aviation Education Representative coordinates aviation education services, including materials and programs for the FAA in the States assigned to the region.

Programs include the following:

- **The Aviation Career Education (ACE) Academy** is a one-week summer aviation education program for high school students sponsored by the FAA along with a host educational institution. The program provides students with diverse experiences in aviation career exploration. The focus is on aviation career clusters identified by FAA, with an emphasis on opportunities for women and minorities. A goal is to have one program in each State and U.S. Territory. The FAA will conduct regional leadership workshops and provide funds based on the availability of resources.
- **Aviation Education Workshops for Teachers** provide teachers with information on FAA aviation programs and materials and prepare them to teach aviation in the classroom. Annual workshops are conducted at colleges and universities across the Nation. The FAA provides information, materials, and speakers for the program.
- **National Congress on Aviation and Space Education** is sponsored annually by the FAA in partnership with the National Aeronautics and Space Administration and the Civil Air Patrol. The meeting includes teacher workshops and crosstalk sessions to exchange ideas on promoting aerospace education.

George Burnette, ASO-17B.1, FAA Aviation
Education Representative
1701 Columbia Avenue
College Park, GA 30337
(404) 305-5350 / Fax: (404) 305-5312

FAA Aviation Education Resource Centers

Located at colleges, museums, and State aviation authority offices, these centers function as information distribution centers for Federal Aviation Administration education materials and resources. The Resource Centers maintain and provide quantities of printed materials, videotapes, and computer educational software. Center personnel can also provide general information, conduct workshops, and make aviation-related presentations.

Megan Johnson, Director
Aviation Education Resource Center
Alabama Aviation and Technical College
Learning Resource Center
PO Box 1209
Ozark, AL 36361
(205) 774-5113

Michele R. Walker, Programming
Coordinator
Aviation Education Resource Center
University of North Alabama
UNA Box 5145
Florence, AL 35632-0001
(205) 760-4623

Gary W. Kiteley, Executive Director
Aviation Education Resource Center
University Aviation Association
3410 Skyway Drive
Opelika, AL 36801
(205) 844-2434

▶Environmental Protection Agency (EPA)

EPA Regional Office

This office takes part in a variety of environmental education programs for both teachers and students. Programs range from teacher workshops and student contests to in-school presentations. Information on environmental issues is also available through the Public Information Center located at the office.

Rich Nawyn, Environmental Education
Coordinator
Environmental Protection Agency
100 Alabama Street SW
Atlanta, GA 30303
(404) 562-8320 / Fax: (404) 562-8335

The President's Environmental Youth Awards (PEYA) Program

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EPA Region 4
100 Alabama Street SW
Atlanta, GA 30303
(404) 562-8314 / Fax: (404) 562-8335

▶ National Aeronautics and Space Administration (NASA)

NASA Educator Resource Center

The Center has NASA-related educational materials in various formats, including laserdiscs, CD-ROMs, videotapes, slides, audiotapes, publications, and teacher guides. Educators may preview or copy NASA materials upon request.

U.S. Space and Rocket Center
NASA Educator Resource Center
for Marshall Space Flight Center
PO Box 070015
Huntsville, AL 35807-7015
(205) 544-5812

NASA Field Centers

Each field center has an educational programs officer who is responsible for precollege education programs. In addition to administering National programs, the center offers programs and services to meet regional and local needs.

Jim Pruitt, Acting Director
Education Programs Office
Mail Code CL01
NASA Marshall Space Flight Center
Huntsville, AL 35812-0001
(205) 544-8800

Space Grant Consortium

The Space Grant Consortium in each State consists of colleges, universities, industry, and other organizations that have an interest in aeronautics and space education. Each consortium receives NASA funds for use in implementing a balanced program of research, education, and public service.

Alabama Space Grant Consortium
University of Alabama in Huntsville
Materials Science Building, Room 205
Huntsville, AL 35899
(205) 895-6800

Florida

▶ Department of Agriculture (USDA)

4-H State Leader

The State 4-H Youth Development Programs are administered by the Cooperative Extension Service at land-grant universities. State 4-H leaders coordinate outreach services and training to all county offices.

Dr. Susan G. Fisher, Assistant Dean
4-H and Youth Development
University of Florida
PO Box 110225
Gainesville, FL 32611-0225
(352) 846-0996 / Fax: (352) 846-0999
E-mail: sgf@gnv.ifas.ufl.edu

Ag in the Classroom State Leader

This program promotes increased understanding of agriculture and possible careers in the agricultural sciences. With National leadership provided by USDA, each State manages its own programs, with assistance from agribusiness, educational institutions, and government.

Doty Wenzel
545 East Tennessee
Black Building, Room 206
Tallahassee, FL 32308
(904) 487-4973 / Fax: (904) 922-2189

▶ Department of Commerce (DOC)

Apalachicola Bay National Estuarine Research Reserve

The reserve offers onsite and outreach education programs, including natural history field trips and classroom estuarine curricula.

Eric Lovestrand, Education Coordinator
Apalachicola Bay National Estuarine
Research Reserve
261 Seventh Street
Apalachicola, FL 32320
(904) 653-8063 / Fax: (904) 653-2297

Atlantic Oceanographic and Meteorological Laboratory

The laboratory manages a speaker's bureau for in-school presentations and also supports a partnership program with local schools. It provides opportunities for students to participate in an Executive Intern Program, Summer Intern Program, and Laboratory Research Program.

Dr. Howard A. Friedman
(Hurricane Information)
Atlantic Oceanographic and Meteorological
Laboratory
National Oceanic and Atmospheric
Administration
Hurricane Research Division
4301 Rickenbacker Causeway, Virginia Key
Miami, FL 33149
(305) 361-4400 / Fax: (305) 361-4402
E-mail: friedman@aoml.erl.gov

Florida Keys National Marine Sanctuary

The sanctuary offers onsite, in-the-water interpretive programs for students of all ages. In-school presentations may also be arranged. This sanctuary manages Key Largo and Looe Key education programs. Brochures about coral reef ecosystems are available.

Laura Urian, Education Coordinator
Florida Keys National Marine Sanctuary
PO Box 1083
Key Largo, FL 33037
(305) 451-1644 / Fax: (305) 451-3193

Marine Fisheries Southeast Regional Office

This office supports a partnership program with local schools and coordinates a speaker's bureau that provides marine biologists for classroom visits.

Dan Furlong, Deputy Regional Director
National Marine Fisheries Service, Southeast
Region
National Oceanic and Atmospheric
Administration
9721 Executive Center Drive North
St. Petersburg, FL 33702-2432
(813) 570-5301 / Fax: (813) 570-5300

National Sea Grant College Program, Operation Pathfinder

The program consists of two-week summer courses that present an introduction to oceanographic and coastal processes. Courses are available in six regions and are designed to enhance skills in science teaching.

Sharon Walker
Mississippi-Alabama Sea Grant Consortium
and Gulf Coast Research Laboratory
PO Box 7000
Ocean Springs, MS 39566-7000
(601) 374-5550 / Fax: (601) 374-5559

Rookery Bay National Estuarine Research Reserve

In addition to workshops for teacher and environmental professionals, the reserve also provides field studies, onsite boat tours for students, and outreach programs.

Ginger Hinchcliff, Education Coordinator
Rookery Bay National Estuarine Research Reserve
10 Shell Island Road
Naples, FL 33962
(941) 417-6310 / Fax: (941) 417-6315

▶Department of Defense (DoD)

Air Force Armament Museum

The museum displays aircraft and the advancement of technology in missile and rocket science. Exhibits include missiles, launching and targeting systems, and the historical aspects of rocket science.

Air Force Armament Museum
100 Museum Drive
Eglin Air Force Base, FL 32542-5000
(904) 882-4062

Chief of Naval Education and Training, Pensacola

This individual coordinates participation in the Navy Community Service Program through formation of partnerships with schools and other youth organizations throughout the panhandle of Florida. The Naval Education and Training Program Management Support Activity (NETPMSA) is also available for students and teachers in the Pensacola area.

CNET, Pensacola FL
Chief of Naval Education and Training
250 Dallas Street Code OOK
Pensacola, FL 32508-5100
(904) 452-4837

National Museum of Naval Aviation

The museum is dedicated to the aviation history of the Navy, the Marine Corps, and the Coast Guard. Exhibits include an actual bridge and flight deck of an aircraft carrier, as well as numerous exhibits that focus on the technology of naval aeronautics. The museum has 250,000 square feet of display space and more than 100 actual aircraft on display. Tours are available upon request.

National Museum of Naval Aviation
1750 Radford Boulevard, Suite C
Pensacola, FL 32508-5402
(904) 452-3604

Naval Base, Jacksonville

The base participates in the Navy Community Service Program through formation of partnerships with schools and other youth organizations throughout Florida and in Georgia, Alabama, Kentucky, Mississippi, North Carolina, South Carolina, and Tennessee.

COMNAVBASE, Jacksonville
Commander
Naval Base Jacksonville
Naval Air Station, Box 102, Attn. FSC
Jacksonville, FL 32212-0102
(904) 772-5380

▶Department of Education (ED)

Eisenhower Consortium for Mathematics and Science Education at SERVE

The Eisenhower Regional Consortium provides information and technical assistance to help States and school districts improve mathematics and science education.

Francena Cummings, Director
Eisenhower Consortium for Mathematics and Science Education at SERVE
345 South Magnolia Drive, Suite D-23
Tallahassee, FL 32301-2950
(800) 854-0476
(904) 671-6033 / Fax: (904) 671-6010
WWW: http://www.serve.org/Eisenhower

Eisenhower State Coordinators

Eisenhower State Coordinators administer the Eisenhower Professional Development Program State Formula grants. The program focuses on sustained and intensive high-quality professional development through inservice programs.

Peggy Primicerio, Coordinator
Eisenhower Professional Development Program
Florida Department of Education
554 Turlington Building
325 West Gaines Street
Tallahassee, FL 32399-0400
(850) 488-6547 / Fax: (850) 413-7698

Eisenhower State Coordinators for Higher Education

Eisenhower State Coordinators oversee the Eisenhower Professional Development State Formula Grants for the State Agency for Higher Education (SAHE). The program focuses on teacher enhancement through both inservice and preservice programs.

Debra Armenti Feldt, Coordinator
Eisenhower Higher Education Program
Florida Department of Education
554 Turlington Building
325 West Gaines Street
Tallahassee, FL 32399-0400
(850) 488-6547 / Fax: (850) 413-7698

Southeast and Islands Regional Technology in Education Consortium (SEIR*TEC)

ED established the Regional Technology in Education Consortia (R*TEC) program in the fall of 1995 to help States, districts, schools, adult literacy centers, and other educational institutions use advanced technology to support improved teaching and student achievement. R*TEC's role in educational technology is unique in two ways: the emphasis is regional and the primary goal is to ensure that technology is used effectively to support school reform. Program strategies include professional development, technical assistance, and information dissemination.

Don Holznagel, Director, SEIR*TEC
41 Marietta Street NW, Suite 1000
Atlanta, GA 30303
(800) 659-3204
(404) 893-0100 / Fax: (404) 577-7812
E-mail: dholznag@serve.org
WWW: http://www.serve.org/seir-tec/

Deborah Williams, R*TEC Project Officer
U.S. Department of Education, OERI
ORAD/SLSD, Room 504f
555 New Jersey Avenue NW
Washington, DC 20208-5644
(202) 219-2204
E-mail: Deborah_Williams@ed.gov

SouthEastern Regional Vision for Education (SERVE)

SERVE identifies effective teaching techniques and school improvement efforts within the region and shares this information with State and local educators.

Roy H. Forbes, Executive Director
SERVE
PO Box 5367
Greensboro, NC 27435
(800) 755-3277
(910) 334-3211 / Fax: (910) 334-3268
WWW: http://www.serve.org/

SERVE, Florida
345 South Magnolia Drive, Suite D-23
Tallahassee, FL 32301-2950
(800) 352-6001
(904) 671-6000 / Fax: (904) 671-6010

▶Department of Energy (DOE)

Pinellas Plant

The plant sponsors numerous Educational Outreach programs. The DOE Science Bowl is a major event that encourages high school students to compete and test their science knowledge. Regional winners are provided an opportunity to compete in the Nationals. National winners move to the ultimate level when they compete in an international setting. The event requires the participation of more than 100 Pinellas Plant employees. Several employees are mentors and tutors throughout the Pinellas Plant School system. Employees volunteer year round for special events at schools, including science fairs and career days. Significant financial support is provided to the Pinellas County Education Foundation (PCEF), a fundraising organization for the school system. PCEF provides scholarships to underpriviledged students and supports those programs that go above and beyond the standard curriculum.

Brenda Ricchi, Specialist—Public Affairs
Pinellas Plant
PO Box 2908
Largo, FL 33779-2908
(813) 541-8516 / Fax: (813) 541-8778
E-mail: Brend_L._Ricchi@ccmail.orl.mmc.com

▶Department of the Interior (DOI)

Arthur R. Marshall Loxahatchee and Hobe Sound National Wildlife Reserves

The reserves offer a 26-page manual designed to help teachers introduce their students to the National Wildlife Refuge System, these refuges, and the Northern Everglades habitat. In addition, the manual includes several curriculum ideas for teachers of elementary students. Information is also provided on planning a visit, field trip ideas for groups, available facilities, and additional references.

Serena Rinker, Supervisory Interpretive Specialist
Arthur R. Marshall Loxahatchee NWR/Hobe Sound NWR
10216 Lee Road
Boynton Beach, FL 33437
(407) 732-3684 / Fax: (407) 369-7190

Biscayne National Park

The park operates the Adams Key Environmental Education Center, which offers environmental education programs for students. Teachers must attend a workshop prior to participating. The curriculum-based program allows participants to observe and study the interrelationships between a marine and terrestrial environment. The program includes a three-day, two-night field trip.

Juan Rodriguez, Environmental Education Coordinator
Biscayne National Park
PO Box 1369
Homestead, FL 33090
(305) 230-1144, ext. 3036
Fax: (305) 230-1190

Bureau of Land Management Eastern States Office

This office provides information about educational programs, materials, and local land-management issues.

Education Coordinator
Bureau of Land Management
7450 Boston Boulevard
Springfield, VA 22153
(703) 440-1713

Canaveral National Seashore

The seashore offers environmental education, as well as natural and cultural history programs on both ends of the Barrier Island. Guided tours and teacher guides are also available.

Programs include the following:

- **The Canaveral National Seashore and Merritt Island National Wildlife Refuge/Education Workshop Environmental Education Program** is offered by the South District. In this program, educators spend a half day onsite learning how to conduct programs for their fifth grade classes. Another program is the Mind Boggling Mosquito Lagoon. Students are involved in two activities, which include a two-hour tour of the lagoon and a mock development project. In Seashore Discovery, students spend two hours learning about the wildlife that inhabits the beach, sea turtles that nest on the beach, and hurricanes and coastal development. Educators participate in workshops that enable them to assist park rangers in leading onsite activities.
- **Parks as Classrooms**, offered by the North District, is a program in which students are introduced to four sensitive environments: Mosquito Lagoon, Turtle Mound, Ocean, and Sand Dunes, all of which face threats that could impact the park. The students become aware of their responsibility in protecting the environment for future generations. The Seashore Junior Ranger Program consists of multiple activities, including: Lagoon Experience, Turtle Mound, Crabbing and Clamming at Canaveral, Wildlife in the Park, and Sea Turtles. By attending three educational activities and by doing a park-related project, children ages 6–14 may become Seashore Rangers.

Lisa Okayaki, South District Interpreter
Canaveral National Seashore
308 Julia Street
Titusville, FL 32796
(407) 867-4077 / Fax: (407) 867-4447

Mike Maslona, North District Ranger
Canaveral National Seashore
7611 South Atlantic Avenue
New Smyrna Beach, FL 32169
(904) 428-384 / Fax: (904) 423-8592

Career Oriented Science and Mathematics Integrated Course (COSMIC)

This three-week summer program is designed to encourage girls in exploring future careers in the fields of science and math. Participants meet women professionals in various fields.

Gail B. Rainey, Physical Oceanographer
1201 Elmwood Park Boulevard
New Orleans, LA 70123
(504) 736-2792 / Fax: (504) 736-2610

Everglades National Park

The park operates six sites that manage environmental education programs, including teacher workshops that offer college or professional credit. Guided tours, lectures, and comprehensive curriculum materials are also available. In the Environmental Education Program, students are introduced to the Everglades ecosystem through hands-on, curriculum-based activities. Students and teachers can participate in a variety of programs (ranging from a four-hour day trip to a three-day camping experience). Teacher workbooks and activity guides are available. A workshop is mandatory for teachers.

Neil DeJong, Environmental Education Coordinator
Everglades National Park
40001 State Road 9336
Homestead, FL 33034
(305) 242-7753 / Fax: (305) 242-7728

First Coast Envirothon

High school students from local counties compete in an outdoor "quiz bowl." Teams of students are trained and tested in five areas: soils, water, forestry, wildlife, and current environmental issues. Winning teams compete in State and National programs.

Linda D. Finger, Wildlife Biologist
Jacksonville Field Office
6620 Southpoint Drive South, Suite 310
Jacksonville, FL 32216
(904) 232-2580 / Fax: (904) 232-2404

Fort Caroline National Monument

The monument offers onsite programs for students and in-school presentations during the school year. Programs emphasize natural resource issues found in the school curricula.

Division of Interpretation
Fort Caroline National Monument
12713 Fort Caroline Road
Jacksonville, FL 32225
(904) 221-5568

Gulf Islands National Seashore

Programs at the seashore focus on environmental education and include nature walks, ranger lectures, and other activities. Teacher guides are also available upon request. The Barrier Island Ecology Talk stresses barrier island dynamics, ecology, and importance.

H.O. Simpson, Florida District Interpreter
Gulf Islands NS
1801 Gulf Breeze Parkway
Gulf Breeze, FL 32561
(904) 934-2629 / Fax: (904) 932-9654

J.N. "Ding" Darling National Wildlife Refuge

Guided tours and curriculum materials are available to educators at the refuge.

Public Use Manager
J.N. "Ding" Darling National Wildlife Refuge
One Wildlife Drive
Sanibel, FL 33957
(813) 472-1100 / Fax: (813) 472-4061

Minerals Management Service (MMS) Regional Office

The MMS Regional Office provides a range of educational services. Teacher inservice programs and classroom visitations may include supplemental materials. Availability may be limited, but arrangements may be made for duplication of some materials at minimal cost.

Gulf of Mexico Outer Continental Shelf Region
Minerals Management Service
Office of Public Affairs
1201 Elmwood Park Boulevard, MS 5000
New Orleans, LA 70123-2394
(504) 736-2595
(800)-200-GULF / Fax: (504) 736-2459

Project WILD

Project WILD offers teacher training and educational materials. Teacher guides, free to teachers who attend the training session, contain more than 80 supplementary, interdisciplinary activities for grades K–12.

Tim Roach, Project WILD Coordinator
Florida Game and Freshwater Fish Commission
620 South Meridian Street
Tallahassee, FL 32399
(904) 488-4677 / Fax: (904) 488-6988

St. Marks National Wildlife Refuge

The refuge offers guided tours, teacher workshops, teacher guides, and in-class presentations. In the Environmental Education Program, students from roughly a 100-mile radius come to the refuge to study its ecosystems, especially the freshwater and saltwater ecosystems. Also available is an educator's guide and lesson plans for hands-on activities, which can be conducted offsite.

Robin Will, Wildlife Interpretive Specialist
St. Marks NWR
PO Box 68
St. Marks, FL 32355
(904) 925-6121 / Fax: (904) 925-6930

▶ Department of Labor (DOL)

Job Training Partnership Act (JTPA) Liaison

The JTPA Liaison can provide information about the Job Training Partnership Act State and local programs for economically disadvantaged adults and youth.

Shirley Gooding, Secretary
Florida Department of Labor and Employment Security
2012 Capital Circle, Southeast
Suite 303, Hartman Building
Tallahassee, FL 32399-2152
(904) 922-7021 / Fax: (904) 488-8930

▶ Department of Transportation (DOT)

Federal Aviation Administration (FAA) Aviation Education

The FAA Aviation Education Representative coordinates aviation education services, including materials and programs for the FAA in the States assigned to the region.

Programs include the following:

- **The Aviation Career Education (ACE) Academy** is a one-week summer aviation education program for high school students sponsored by the FAA along with a host educational institution. The program provides students with diverse experiences in aviation career exploration. The focus is on aviation career clusters identified by FAA, with an emphasis on opportunities for women and minorities. A goal is to have one program in each State and U.S. Territory. The FAA will conduct regional leadership workshops and provide funds based on the availability of resources.
- **Aviation Education Workshops for Teachers** provide teachers with information on FAA aviation programs and materials and prepare them to teach aviation in the classroom. Annual workshops are conducted at colleges and universities across the Nation. The FAA provides information, materials, and speakers for the program.
- **National Congress on Aviation and Space Education** is sponsored annually by the FAA in partnership with the National Aeronautics and Space Administration and the Civil Air Patrol. The meeting includes teacher workshops and crosstalk sessions to exchange ideas on promoting aerospace education.

George Burnette, ASO-17B.1
FAA Aviation Education Representative
1701 Columbia Avenue
College Park, GA 30337
(404) 305-5350 / Fax: (404) 305-5312

Larry Hedman, CMD-240
FAA Aviation Education Representative
Aviation Education Resource Centers
Center for Management Development
4500 Palm Coast Parkway SE
Palm Coast, FL 32137
(904) 446-7126

FAA Aviation Education Resource Centers

Located at colleges, museums, and State aviation authority offices, these centers function as information distribution centers for Federal Aviation Administration education materials and resources. The Resource Centers maintain and provide quantities of printed materials, videotapes, and computer educational software. Center personnel can also provide general information, conduct workshops, and make aviation-related presentations.

Patricia Fleener-Ryan
Aviation Education Resource Center
Embry-Riddle Aeronautical University
AvEd Teacher Resource Center
Daytona Beach, FL 32114
(904) 226-6499

J. Anthony Sharp, Director
Aviation Education Resource Center
Florida Memorial College
Division of Airway Science
15800 Northwest 42nd Avenue
Miami, FL 33054
(305) 623-1440

Dr. Ballard M. Barker, Head
Aviation Education Resource Center
Florida Institute of Technology
Department of Aviation Studies
The School of Aeronautics
150 West University Boulevard
Melbourne, FL 32901-6988
(407) 768-8000, ext. 8120

Larry Hedman, CMD-240
Center for Management Development
4500 Palm Coast Parkway, SE
Palm Coast, FL 32137
(904) 446-7126

▶ Environmental Protection Agency (EPA)

Environmental Research Laboratory

The laboratory supports the Educational Research Center of the University of West Florida in an effort to build and enhance environmental education at the State and local levels. Programs for teachers and curriculum materials are being developed.

Betty Jackson
U.S. Environmental Protection Agency
Environmental Research Laboratory/ORD
Sabine Island
Gulf Breeze, FL 32561-3999
(904) 934-9200

EPA Regional Office

This office takes part in a variety of environmental education programs for both teachers and students. Programs range from teacher workshops and student contests to in-school presentations. Information on environmental issues is also available through the Public Information Center located at the office.

Rich Nawyn, Environmental Education Coordinator
Environmental Protection Agency
100 Alabama Street SW
Atlanta, GA 30303
(404) 562-8320 / Fax: (404) 562-8335

The President's Environmental Youth Awards (PEYA) Program

Young people from each State are invited to participate in PEYA, a nationwide program designed to encourage individuals, school classes, summer camps, public interest groups, and youth organizations to promote environmental awareness and community involvement. The two components of the program are the regional certificate program and the National awards competition. Regional certificates, signed by the President, are awarded to each participant by EPA Regional Offices. National individual project winners, or one representative from a National award-winning group project, along with one sponsor, are honored at EPA headquarters in Washington, DC. Interested K–12 individuals or groups may obtain application materials and contest rules by contacting the EPA Regional Office that serves their State. PEYA has been an ongoing project since it was created by the White House Office of Education and the EPA in 1971.

EPA Region 4
100 Alabama Street SW
Atlanta, GA 30303
(404) 562-8314 / Fax: (404) 562-8335

▶ National Aeronautics and Space Administration (NASA)

NASA Educator Resource Center

The Center has NASA-related educational materials in various formats, including laserdiscs, CD-ROMs, videotapes, slides, audiotapes, publications, and teacher guides. Educators may preview or copy NASA materials upon request.

NASA John F. Kennedy Space Center
Educator Resource Center
Mail Code ERC
Kennedy Space Center, FL 32899-0001
(407) 867-4090

NASA Field Centers

Each field center has an educational programs officer who is responsible for precollege education programs. In addition to administering National programs, the center offers programs and services to meet regional and local needs.

Steve Dutczak, Chief
Education Services Branch
NASA John F. Kennedy Space Center
Mail Code PA-ESB
Kennedy Space Center, FL 32899-0001
(407) 867-4444

Space Grant Consortium

The Space Grant Consortium in each State consists of colleges, universities, industry, and other organizations that have an interest in aeronautics and space education. Each consortium receives NASA funds for use in implementing a balanced program of research, education, and public service.

Florida Space Grant Consortium
405 Space Sciences Research Building
Department of Astronomy
University of Florida
Gainesville, FL 32611-0961
(904) 392-6750

Georgia

▶ Department of Agriculture (USDA)

4-H State Leader

The State 4-H Youth Development Programs are administered by the Cooperative Extension Service at land-grant universities. State 4-H leaders coordinate outreach services and training to all county offices.

Dr. Roger C. Ryles, Jr., State 4-H Program Leader
State 4-H Office
Hoke Smith Annex
University of Georgia
Athens, GA 30602
(706) 542-8804 / Fax: (706) 542-8845
E-mail: cdc4H@uga.cc.uga.edu

Ag in the Classroom State Leader

This program promotes increased understanding of agriculture and possible careers in the agricultural sciences. With National leadership provided by USDA, each State manages its own programs, with assistance from agribusiness, educational institutions, and government.

Donna Reynolds
Georgia Farm Bureau
PO Box 7068
Macon, GA 31298
(912) 474-8411

▶ Department of Commerce (DOC)

Gray's Reef National Marine Sanctuary

The sanctuary's Interpretive Center is located at the University of Georgia Aquarium on Skidaway Island. The center offers classrooms, laboratories, exhibits, touch tanks, and lecture series for educators.

Sarah Mitchell, Education Coordinator
Gray's Reef National Marine Sanctuary
10 Ocean Science Circle
Savannah, GA 31411
(912) 598-2345 / Fax: (912) 598-2367

National Sea Grant College Program, Operation Pathfinder

The program consists of two-week summer courses that present an introduction to oceanographic and coastal processes. Courses are available in six regions and are designed to enhance skills in science teaching.

Sharon Walker
Mississippi-Alabama Sea Grant Consortium and Gulf Coast Research Laboratory
PO Box 7000
Ocean Springs, MS 39566-7000
(601) 374-5550 / Fax: (601) 374-5559

Sapelo Island National Estuarine Research Reserve

The reserve offers education tours for school groups, including special archaeological and natural history tours. Reservations are required.

Fred Hay, Education Coordinator
Sapelo Island National Estuarine Research Reserve
Georgia Department of National Resources
PO Box 15
Sapelo Island, GA 31327
(912) 485-2251 / Fax: (912) 485-2141

▶ Department of Defense (DoD)

National Science Center

With its multifaceted programs in science and mathematics, the center offers workshops and camps for students, a discovery center with opportunities for classroom visits, and a teacher resource center that provides science, math, electronics, and computer materials for use in the classroom. Portable planetariums are available on loan to teachers who have been certified through the Center's comprehensive training program.

National Science Center
Attention: ATZH-NSC-D
Building 25722
Fort Gordon, GA 30905-5689
(706) 791-7621

Naval Submarine Base, Kings Bay

The base participates in the Navy Community Service Program through formation of partnerships with schools and other youth organizations throughout the Kings Bay area.

COMSUBGRU TEN
Commander
Submarine Group Ten
1050 USS Georgia Avenue
Kings Bay, GA 31547-2609
(912) 673-4005

U.S. Army Signal Corps and Fort Gordon Museum

The evolution of communications technology is the primary focus of the museum. Tours and lectures are available upon request.

U.S. Army Signal Corps and Fort Gordon Museum
Attention: ATZH-SM
Building 36305
Fort Gordon, GA 30905-5273
(706) 791-3856

▶ Department of Education (ED)

Eisenhower Consortium for Mathematics and Science Education at SERVE

The Eisenhower Regional Consortium provides information and technical assistance to help States and school districts improve mathematics and science education.

Francena Cummings, Director
Eisenhower Consortium for Mathematics and Science Education at SERVE
345 South Magnolia Drive, Suite D-23
Tallahassee, FL 32301-2950
(800) 854-0476
(904) 671-6033 / Fax: (904) 671-6010
WWW: http://www.serve.org/Eisenhower

Eisenhower State Coordinators

Eisenhower State Coordinators administer the Eisenhower Professional Development Program State Formula grants. The program focuses on sustained and intensive high-quality professional development through inservice programs.

Dick Grover, Eisenhower Professional Development Program
Georgia Department of Education
School Support Services Unit
1762 Twin Towers East
Atlanta, GA 30334
(404) 656-2403 / Fax: (404) 651-8984

Eisenhower State Coordinators for Higher Education

Eisenhower State Coordinators oversee the Eisenhower Professional Development State Formula Grants for the State Agency for Higher Education (SAHE). The program focuses on teacher enhancement through both inservice and preservice programs.

Russell Yeahy and Edward J. Davis
Eisenhower Professional Development Program
University of Georgia
315 Aderhold Hall
Athens, GA 30602
(706) 542-4047 / Fax: (706) 542-4042

Southeast and Islands Regional Technology in Education Consortium (SEIR*TEC)

ED established the Regional Technology in Education Consortia (R*TEC) program in the fall of 1995 to help States, districts, schools, adult literacy centers, and other educational institutions use advanced technology to support improved teaching and student achievement. R*TEC's role in educational technology is unique in two ways: the emphasis is regional and the primary goal is to ensure that technology is used effectively to support school reform. Program strategies include professional development, technical assistance, and information dissemination.

Don Holznagel, Director, SEIR*TEC
41 Marietta Street NW, Suite 1000
Atlanta, GA 30303
(800) 659-3204
(404) 893-0100 / Fax: (404) 577-7812
E-mail: dholznag@serve.org
WWW: http://www.serve.org/seir-tec/

Deborah Williams, R*TEC Project Officer
U.S. Department of Education, OERI
ORAD/SLSD, Room 504f
555 New Jersey Avenue NW
Washington, DC 20208-5644
(202) 219-2204
E-mail: Deborah_Williams@ed.gov

SouthEastern Regional Vision for Education (SERVE)

SERVE identifies effective teaching techniques and school improvement efforts within the region and shares this information with State and local educators.

Roy H. Forbes, Executive Director
SERVE
PO Box 5367
Greensboro, NC 27435
(800) 755-3277
(910) 334-3211 / Fax: (910) 334-3268
WWW: http://www.serve.org/

SERVE, Georgia
41 Marietta Street NW, Suite 1000
Atlanta, GA 30303
(404) 577-7737
(800) 659-3204 / Fax: (404) 577-7812

▶ Department of Energy (DOE)

Appalachian Regional Commission (ARC) and Oak Ridge National Laboratory (ORNL)

A summer science, mathematics, and technology Teacher Leadership Institute is available for secondary teachers to participate in research-based programs at ORNL. The institute is provided in a two-week summer residential format patterned after the ORNL/National Science Foundation (NSF) National Teacher Enhancement Project and Leadership Institute. Participants are selected by the ARC from secondary schools throughout the ARC region. The focus is on hands-on laboratory research applying the tools and methods used in ongoing ORNL projects in research areas (as appropriate for each teacher's teaching assignment), pedagogy, and leadership. The program will feature telecommunications instruction at the ORNL Regional Science Center and telecommunications will be the primary method used for academic year follow-up and continued interactions with the teachers. Participants in the Teacher Leadership Institute will be hosted by several ORNL research divisions based on each teacher's background and interests. A program coordinator with experience in teacher preparation/higher education delivers instruction in pedagogy and educational leadership.

ARC and ORNL also collaborate on a summer science, mathematics, and technology Summer Science Honors Academy for ARC students to participate in research-based programs at ORNL. Student participants (seniors or graduating seniors) will be selected from secondary schools throughout the ARC region. Students will be teamed with research mentors to participate in hands-on laboratory research applying the tools and methods used in ongoing ORNL projects. Students will also receive telecommunications instruction at the ORNL Regional Science Center.

Terry L. Lashley, Education Partnerships Team Leader
Oak Ridge National Laboratory
Office of University and Science Education
PO Box 2008
5500A, MS 6366
Oak Ridge, TN 37831-6366
(423) 574-0689 / Fax: (423) 241-6726
E-mail: TL7@ornl.gov

▶ Department of the Interior (DOI)

Bureau of Land Management Eastern States Office

This office provides information about educational programs, materials, and local land-management issues.

Education Coordinator
Bureau of Land Management
7450 Boston Boulevard
Springfield, VA 22153
(703) 440-1713

Chattahoochee River National Recreation Area

Programs include nature walks, ranger lectures, and activities that focus on environmental education. The Chattahoochee Geosphere Center, a cooperative education facility, also offers teacher workshops. Teacher guides are available upon request.

Division of Interpretation
Chattahoochee River National Recreation Area
1978 Island Ford Parkway
Dunwoody, GA 30350
(404) 399-8070

Minerals Management Service (MMS) Regional Office

The MMS Regional Office provides a range of educational services. Teacher inservice programs and classroom visitations may include supplemental materials. Availability may be limited, but arrangements may be made for duplication of some materials at minimal cost.

Offshore Minerals Management Technical Communications Service
Minerals Management Service
381 Eldon Street, MS 4530
Herndon, VA 20170-4817
(703) 787-1080 / Fax: (703) 787-1186

Office of Communications & Governmental Affairs
Education Coordinator
Minerals Management Service
1849 C Street NW, LMS4230
Washington, DC 20240-0001
(202) 208-3985 / Fax: (202) 208-3968

Pinckney Island National Wildlife Refuge

In Barrier Island Ecology, instructors with the University of Georgia and U.S. Fish and Wildlife Service volunteers lead groups on walking tours of a barrier island. The outdoor ecology classes focus on the barrier island ecosystem, with additional instruction provided in management of a pristine maritime forest habitat.

Marsh Meander/Maritime Woods Walk are alternate programs focusing on the salt marsh ecology of the Carolina lowcountry and the hammocks/maritime woodlands prevalent on Pinckney Island. Students are instructed in the value of marshland and coastal islands as buffer zones protecting the mainland during violent storms. Also covered is the richness of wildlife sustained in this coastal zone, with an emphasis on bird identification.

Patricia E. Metz, Refuge Ranger
Pinckney Island NWR
Savannah Coastal Refuges
Parkway Business Center, Suite 10
Business Center Drive
Savannah, GA 31405
(912) 652-4415 / Fax: (912) 652-4385

Piedmont National Wildlife Refuge

Teacher workshops on environmental education are available at the refuge. Scheduled tours can be arranged upon request.

Public Use Manager
Piedmont National Wildlife Refuge
Route 1, Box 670
Round Oak, GA 31038
(912) 986-5411 / Fax: (912) 986-9646

Project WILD

Project WILD offers teacher training and educational materials. Teacher guides, free to teachers who attend the training session, contain more than 80 supplementary, interdisciplinary activities for grades K–12.

Ken Riddleberger, Project WILD Coordinator
Georgia Wildlife Resources Division
2111 Highway 278 SE
Social Circle, GA 30279
(706) 557-3035 / Fax: (706) 557-3030

Richard Osorio, Project WILD Coordinator
Rock Eagle 4-H Center
350 Rock Eagle Road
Eatonon, GA 31204
(706) 485-2831 / Fax: (706) 485-2191

Warm Springs Regional Fisheries Center

The Aquatic and Fisheries Math Applications program consists of locally developed pre-algebra activities specific to sites on the fish hatchery. Activities include graphic surveying techniques to determine the area of the ponds. Other topics are fisheries statistics, waterflow in a spring, area and volume calculations of fish-rearing containers, and diversity indexes. The center also offers Project WILD/Aquatic WILD, Project Learning Tree Teacher and Youth Leader Workshops, which are taught onsite at a fish hatchery. Additional training includes a tour and discussion of using the hatchery grounds for outdoor classrooms.

Haile Macurdy, Assistant Hatchery Manager
Warm Springs Regional Fisheries Center
Route 1, Box 515
Warm Springs, GA 31830
(706) 655-3620 / Fax: (706) 655-9034

▶ Department of Labor (DOL)

Job Training Partnership Act (JTPA) Liaison

The JTPA Liaison can provide information about the Job Training Partnership Act State and local programs for economically disadvantaged adults and youth.

David B. Poythress, Commissioner
Georgia Department of Labor
148 International Boulevard NE
Sussex Place, Room 600
Atlanta, GA 30303
(404) 656-3011 / Fax: (404) 656-2683

▶ Department of Transportation (DOT)

Federal Aviation Administration (FAA) Aviation Education

The FAA Aviation Education Representative coordinates aviation education services, including materials and programs for the FAA in the States assigned to the region.

Programs include the following:

- **The Aviation Career Education (ACE) Academy** is a one-week summer aviation education program for high school students sponsored by the FAA along with a host educational institution. The program provides students with diverse experiences in aviation career exploration. The focus is on aviation career clusters identified by FAA, with an emphasis on opportunities for women and minorities. A goal is to have one program in each State and U.S. Territory. The FAA will conduct regional leadership workshops and provide funds based on the availability of resources.
- **Aviation Education Workshops for Teachers** provide teachers with information on FAA aviation programs and materials and prepare them to teach aviation in the classroom. Annual workshops are conducted at colleges and universities across the Nation. The FAA provides information, materials, and speakers for the program.
- **National Congress on Aviation and Space Education** is sponsored annually by the FAA in partnership with the National Aeronautics and Space Administration and the Civil Air Patrol. The meeting includes teacher workshops and crosstalk sessions to exchange ideas on promoting aerospace education.

George Burnette, ASO-17B.1
FAA Aviation Education Representative
1701 Columbia Avenue
College Park, GA 30337
(404) 305-5350 / Fax: (404) 305-5312

FAA Aviation Education Resource Centers

Located at colleges, museums, and State aviation authority offices, these centers function as information distribution centers for Federal Aviation Administration education materials and resources. The Resource Centers maintain and provide quantities of printed materials, videotapes, and computer educational software. Center personnel can also provide general information, conduct workshops, and make aviation-related presentations.

Viki Dennard, Assistant Principal
Aviation Education Resource Center
Conyers Middle School
335 Sigman Road
Conyers, GA 30207-3699
(404) 483-3371

Chuck Nyren
Aviation Education Resource Center
East Cobb Middle School
380 Holt Road
Marietta, GA 30068
(404) 971-8397

Joyce Carlton, Director of Education
Aviation Education Resource Center
Museum of Aviation at Robins AFB
PO Box 2469
Warner Robins, GA 31099
(912) 926-4242

Anthony Docal, Director
Southern College of Technology
Georgia Youth Science & Technology Center
1100 S. Marietta Parkway
Marietta, GA 30060-2896
(404) 528-6272

▶ Environmental Protection Agency (EPA)

Environmental Research Laboratory

The lab offers teacher fellowships, student summer camps, student employment programs, community partnerships, and in-school programs.

Environmental Research Laboratory
U.S. Environmental Protection Agency
906 College Station Road
Athens, GA 30605-2720
(706) 546-3524

EPA Regional Office

This office takes part in a variety of environmental education programs for both teachers and students. Programs range from teacher workshops and student contests to in-school presentations. Information on environmental issues is also available through the Public Information Center located at the office.

Rich Nawyn, Environmental Education Coordinator
Environmental Protection Agency
100 Alabama Street, SW
Atlanta, GA 30303
(404) 562-8320 / Fax: (404) 562-8335

The President's Environmental Youth Awards (PEYA) Program

Young people from each State are invited to participate in PEYA, a nationwide program designed to encourage individuals, school classes, summer camps, public interest groups, and youth organizations to promote environmental awareness and community involvement. The two components of the program are the regional certificate program and the National awards competition. Regional certificates, signed by the President, are awarded to each participant by EPA Regional Offices. National individual project winners, or one representative from a National award-winning group project, along with one sponsor, are honored at EPA headquarters in Washington, DC. Interested K–12 individuals or groups may obtain application materials and contest rules by contacting the EPA Regional Office that serves their State. PEYA has been an ongoing project since it was created by the White House Office of Education and the EPA in 1971.

EPA Region 4
100 Alabama Street SW
Atlanta, GA 30303
(404) 562-8314 / Fax: (404) 562-8335

National Aeronautics and Space Administration (NASA)

NASA Educator Resource Center

The Center has NASA-related educational materials in various formats, including laserdiscs, CD-ROMs, videotapes, slides, audiotapes, publications, and teacher guides. Educators may preview or copy NASA materials upon request.

NASA John F. Kennedy Space Center
Educator Resource Center
Mail Code ERC
Kennedy Space Center, FL 32899-0001
(407) 867-4090

NASA Field Centers

Each field center has an educational programs officer who is responsible for precollege education programs. In addition to administering National programs, the center offers programs and services to meet regional and local needs.

Steve Dutczak, Chief
Education Services Branch
NASA John F. Kennedy Space Center
Mail Code PA-ESB
Kennedy Space Center, FL 32899-0001
(407) 867-4444

NASA Regional Educator Resource Center (RERC)

To offer more educators the opportunity to visit the Educator Resource Center Network (ERCN), NASA forms partnerships with planetariums, universities, museums, and other nonprofit organizations to serve as RERCs. Teachers may preview or copy NASA materials upon request.

Southern College of Technology/GYSTC
1100 South Marietta Parkway
Marietta, GA 30060-2896
(404) 528-6272

Space Grant Consortium

The Space Grant Consortium in each State consists of colleges, universities, industry, and other organizations that have an interest in aeronautics and space education. Each consortium receives NASA funds for use in implementing a balanced program of research, education, and public service.

Georgia Space Grant Consortium
Georgia Tech
Department of Aerospace Engineering
Cherry Street
Atlanta, GA 30332-0150
(404) 894-8202

National Science Foundation (NSF)

Statewide Systemic Initiatives (SSI) Program

Georgia's SSI Program includes five regional centers that link schools with university faculty. Program goals include increasing the success of underrepresented groups and developing teachers with strong pedagogical and content foundations, as well as recruiting and retaining a high-quality teaching force. Other goals include developing and implementing interdisciplinary curriculum and designing innovative assessment techniques.

Michael Padilla
212 Aderhold Building
University of Georgia
Athens, GA 30602-7126
(706) 542-4341 / Fax: (706) 542-4348

Mississippi

Department of Agriculture (USDA)

4-H State Leader

The State 4-H Youth Development Programs are administered by the Cooperative Extension Service at land-grant universities. State 4-H leaders coordinate outreach services and training to all county offices.

Dr. Susan Holder, State Leader
4-H Youth Development
PO Box 9601
Mississippi State University
Mississippi State, MS 39762
(601) 325-3352 / Fax: (601) 325-8407
E-mail: susanh@mces.msstate.edu

Ag in the Classroom State Leader

This program promotes increased understanding of agriculture and possible careers in the agricultural sciences. With National leadership provided by USDA, each State manages its own programs, with assistance from agribusiness, educational institutions, and government.

Clara Bilbo
Mississippi Farm Bureau
PO Box 1972
Jackson, MS 39215-1972
(601) 977-4824

Department of Commerce (DOC)

National Sea Grant College Program, Operation Pathfinder

The program consists of two-week summer courses that present an introduction to oceanographic and coastal processes. Courses are available in six regions and are designed to enhance skills in science teaching.

Sharon Walker
Mississippi-Alabama Sea Grant Consortium
and Gulf Coast Research Laboratory
PO Box 7000
Ocean Springs, MS 39566-7000
(601) 374-5550 / Fax: (601) 374-5559

Department of Defense (DoD)

Opportunities in Coastal Engineering for Academically Talented Students (OCEANS)

Students explore coastal erosion first-hand on a Gulf of Mexico beach and follow up their discoveries with laboratory and classroom work. Topics include Coastal Engineering, Geometry, Surveying, Technical Writing, Career Exploration, Research Methodology, Coastal Geology, Trigonometry, Computer Graphics, Ethics of Engineering. Also included is a three-day Coastal Engineering hands-on course at the U.S. Army Engineer Waterways Experiment Station.

Stephen Wagner
U.S. Army Engineer Waterways Experiment
Station
3909 Halls Ferry Road
Vicksburg, MS 39180
(601) 634-3000

Science and Engineering Apprentice Program

This program, supported by DoD and administered by The George Washington University, is designed to provide research experience for high school students attending school near this participating research facility. Each student works with a senior scientist or engineer who acts as a mentor for eight weeks during the summer.

Steve Wagner
Army Waterways Experiment Station (WES)
Vicksburg, MS 39180-6199
(601) 634-3000

Diane Wilson
Naval Research Laboratory (NRL-S)
Stennis Space Center, MS 39529-5004
(601) 688-4334

▶ Department of Education (ED)

Eisenhower Consortium for Mathematics and Science Education at SERVE

The Eisenhower Regional Consortium provides information and technical assistance to help States and school districts improve mathematics and science education.

Francena Cummings, Director
Eisenhower Consortium for Mathematics and Science Education at SERVE
345 South Magnolia Drive, Suite D-23
Tallahassee, FL 32301-2950
(800) 854-0476
(904) 671-6033 / Fax: (904) 671-6010
WWW: http://www.serve.org/Eisenhower

Eisenhower State Coordinators

Eisenhower State Coordinators administer the Eisenhower Professional Development Program State Formula grants. The program focuses on sustained and intensive high-quality professional development through inservice programs.

Dr. Donna Lander and Sandra Crowley
Eisenhower Professional Development Program
Mississippi Department of Education
Walter Sillers Building, Suite 1604
PO Box 771
Jackson, MS 39205-0771
(601) 359-3486 / Fax: (601) 359-2040

Eisenhower State Coordinators for Higher Education

Eisenhower State Coordinators oversee the Eisenhower Professional Development State Formula Grants for the State Agency for Higher Education (SAHE). The program focuses on teacher enhancement through both inservice and preservice programs.

Pearl Pennington
Eisenhower Professional Development Program
Mississippi Board of Trustees of State Institutions of Higher Learning
3825 Ridgewood Road
Jackson, MS 39211
(601) 982-6626 / Fax: (601) 982-6610

Southeast and Islands Regional Technology in Education Consortium (SEIR*TEC)

ED established the Regional Technology in Education Consortia (R*TEC) program in the fall of 1995 to help States, districts, schools, adult literacy centers, and other educational institutions use advanced technology to support improved teaching and student achievement. R*TEC's role in educational technology is unique in two ways: the emphasis is regional and the primary goal is to ensure that technology is used effectively to support school reform. Program strategies include professional development, technical assistance, and information dissemination.

Don Holznagel, Director, SEIR*TEC
41 Marietta Street NW, Suite 1000
Atlanta, GA 30303
(800) 659-3204
(404) 893-0100 / Fax: (404) 577-7812
E-mail: dholznag@serve.org
WWW: http://www.serve.org/seir-tec/

Deborah Williams, R*TEC Project Officer
U.S. Department of Education, OERI
ORAD SLSD, Room 504f
555 New Jersey Avenue NW
Washington, DC 20208-5644
(202) 219-2204
E-mail: Deborah_Williams@ed.gov

SouthEastern Regional Vision for Education (SERVE)

SERVE identifies effective teaching techniques and school improvement efforts within the region and shares this information with State and local educators.

Roy H. Forbes, Executive Director
SERVE
PO Box 5367
Greensboro, NC 27435
(800) 755-3277
(910) 334-3211 / Fax: (910) 334-3268
WWW: http://www.serve.org/

SERVE, Mississippi
Delta State University
PO Box 3183
Cleveland, MS 38733
(601) 846-4384
(800) 326-4548 / Fax: (601) 846-4402

▶ Department of Energy (DOE)

Appalachian Regional Commission (ARC) and Oak Ridge National Laboratory (ORNL)

A summer science, mathematics, and technology Teacher Leadership Institute is available for secondary teachers to participate in research-based programs at ORNL. The institute is provided in a two-week summer residential format patterned after the ORNL/National Science Foundation (NSF) National Teacher Enhancement Project and Leadership Institute. Participants are selected by the ARC from secondary schools throughout the ARC region. The focus is on hands-on laboratory research applying the tools and methods used in ongoing ORNL projects in research areas (as appropriate for each teacher's teaching assignment), pedagogy, and leadership. The program will feature telecommunications instruction at the ORNL Regional Science Center and telecommunications will be the primary method used for academic year follow-up and continued interactions with the teachers. Participants in the Teacher Leadership Institute will be hosted by several ORNL research divisions based on each teacher's background and interests. A program coordinator with experience in teacher preparation/higher education delivers instruction in pedagogy and educational leadership.

ARC and ORNL also collaborate on a summer science, mathematics, and technology Summer Science Honors Academy for ARC students to participate in research-based programs at ORNL. Student participants (seniors or graduating seniors) will be selected from secondary schools throughout the ARC region. Students will be teamed with research mentors to participate in hands-on laboratory research applying the tools and methods used in ongoing ORNL projects. Students will also receive telecommunications instruction at the ORNL Regional Science Center.

Terry L. Lashley, Education Partnerships Team Leader
Oak Ridge National Laboratory
Office of University and Science Education
PO Box 2008
5500A, MS 6366
Oak Ridge, TN 37831-6366
(423) 574-0689 / Fax: (423) 241-6726
E-mail: TL7@ornl.gov

▶ Department of the Interior (DOI)

Bureau of Land Management Eastern States Office

This office provides information about educational programs, materials, and local land-management issues.

Education Coordinator
Bureau of Land Management
7450 Boston Boulevard
Springfield, VA 22153
(703) 440-1713

Bureau of Land Management, Jackson District Office

The office supports the International Science and Engineering Fair (ISEF) by providing one judge annually. The purpose is to evaluate and award prizes to participants who are winners of their respective regional and State science fairs and to encourage students to pursue scientific excellence.

Lars Johnson, Geologist
411 Briarwood Drive, Suite 404
Jackson, MS 39206
(601) 977-5424 / Fax: (601) 977-5440

Career Oriented Science and Mathematics Integrated Course (COSMIC)

This three-week summer program is designed to encourage girls in exploring future careers in the fields of science and math. Participants meet women professionals in various fields.

Gail B. Rainey, Physical Oceanographer
1201 Elmwood Park Boulevard
New Orleans, LA 70123
(504) 736-2792 / Fax: (504) 736- 2610

Gulf Islands National Seashore

Programs at the seashore focus on environmental education and include nature walks, ranger lectures, and other activities. Teacher guides are also available upon request. For example, the *Fourth Grade Activity Guide for Teachers* provides 55 curriculum-based activities to introduce students to the cultural and natural resources of the Gulf Islands. Units include Seashore Stewardship; The Sands of Time; The Value of the Salt Marsh; Seashore Celebrities; Water, Water Everywhere; and Crossroads of the Gulf.

Gail Bishop, Mississippi District Interpreter
Gulf Islands N.S.
3500 Park Road
Ocean Springs, MS 39564
(904) 934-2604

Minerals Management Service (MMS) Regional Office

The MMS Regional Office provides a range of educational services. Teacher inservice programs and classroom visitations may include supplemental materials. Availability may be limited, but arrangements may be made for duplication of some materials at minimal cost.

Gulf of Mexico Outer Continental Shelf
Region
Minerals Management Service
Office of Public Affairs
1201 Elmwood Park Boulevard, MS 5000
New Orleans, LA 70123-2394
(504) 736-2595
(800) 200-GULF / Fax: (504) 736-2459

Project WILD

Project WILD offers teacher training and educational materials. Teacher guides, free to teachers who attend the training session, contain more than 80 supplementary, interdisciplinary activities for grades K–12.

Georgia Spencer, Project WILD Coordinator
Museum of Natural Science
111 North Jefferson Street
Jackson, MS 39202
(601) 354-7303 / Fax: (601) 354-7227

▶ Department of Labor (DOL)

Job Training Partnership Act (JTPA) Liaison

The JTPA Liaison can provide information about the Job Training Partnership Act State and local programs for economically disadvantaged adults and youth.

Jean Denson, Director
Mississippi Department of Economic and
Community Development
Employment Training Division
301 West Pearl Street
Jackson, MS 39203-3089
(601) 949-2234 / Fax: (601) 949-2291

▶ Department of Transportation (DOT)

Federal Aviation Administration (FAA) Aviation Education

The FAA Aviation Education Representative coordinates aviation education services, including materials and programs for the FAA in the States assigned to the region. Programs include the following:

- **The Aviation Career Education (ACE) Academy** is a one-week summer aviation education program for high school students sponsored by the FAA along with a host educational institution. The program provides students with diverse experiences in aviation career exploration. The focus is on aviation career clusters identified by FAA, with an emphasis on opportunities for women and minorities. A goal is to have one program in each State and U.S. Territory. The FAA will conduct regional leadership workshops and provide funds based on the availability of resources.
- **Aviation Education Workshops for Teachers** provide teachers with information on FAA aviation programs and materials and prepare them to teach aviation in the classroom. Annual workshops are conducted at colleges and universities across the Nation. The FAA provides information, materials, and speakers for the program.
- **National Congress on Aviation and Space Education** is sponsored annually by the FAA in partnership with the National Aeronautics and Space Administration and the Civil Air Patrol. The meeting includes teacher workshops and crosstalk sessions to exchange ideas on promoting aerospace education.

George Burnette, ASO-17B.1
FAA Aviation Education Representative
1701 Columbia Avenue
College Park, GA 30337
(404) 305-5350 / Fax: (404) 305-5312

FAA Aviation Education Resource Centers

Located at colleges, museums, and State aviation authority offices, these centers function as information distribution centers for Federal Aviation Administration education materials and resources. The Resource Centers maintain and provide quantities of printed materials, videotapes, and computer educational software. Center personnel can also provide general information, conduct workshops, and make aviation-related presentations.

Mark Rice
Aviation Education Resource Center
Stringer Aerospace Education Center
PO Box 68, Old Highway 15
Stringer, MS 39481
(601) 649-5566

Dr. Harry A. Cooley, Director
Aviation Education Resource Center
Jackson State University
Airway Science Program
1400 Lynch Street
Jackson, MS 39217
(601) 968-2471

▶ Environmental Protection Agency (EPA)

EPA Regional Office

This office takes part in a variety of environmental education programs for both teachers and students. Programs range from teacher workshops and student contests to in-school presentations. Information on environmental issues is also available through the Public Information Center located at the office.

Rich Nawyn, Environmental Education Coordinator
Environmental Protection Agency
100 Alabama Street SW
Atlanta, GA 30303
(404) 562-8320 / Fax: (404) 562-8335

The President's Environmental Youth Awards (PEYA) Program

Young people from each State are invited to participate in PEYA, a nationwide program designed to encourage individuals, school classes, summer camps, public interest groups, and youth organizations to promote environmental awareness and community involvement. The two components of the program are the regional certificate program and the National awards competition. Regional certificates, signed by the President, are awarded to each participant by EPA Regional Offices. National individual project winners, or one representative from a National award-winning group project, along with one sponsor, are honored at EPA headquarters in Washington, DC. Interested K–12 individuals or groups may obtain application materials and contest rules by contacting the EPA Regional Office that serves their State. PEYA has been an ongoing project since it was created by the White House Office of Education and the EPA in 1971.

EPA Region 4
100 Alabama Street SW
Atlanta, GA 30303
(404) 562-8314 / Fax: (404) 562-8335

▶ National Aeronautics and Space Administration (NASA)

NASA Educator Resource Center

The Center has NASA-related educational materials in various formats, including laserdiscs, CD-ROMs, videotapes, slides, audiotapes, publications, and teacher guides. Educators may preview or copy NASA materials upon request.

NASA John C. Stennis Space Center
Educator Resource Center
Building 1200
Stennis Space Center, MS 39529-6000
(601) 688-3338

NASA Field Centers

Each field center has an educational programs officer who is responsible for precollege education programs. In addition to administering National programs, the center offers programs and services to meet regional and local needs.

Dr. David Powe, Manager
Educational Programs
NASA John C. Stennis Space Center
Mail Stop MA00
Stennis Space Center, MS 39529-6000
(601) 688-1107

NASA Regional Educator Resource Center (RERC)

To offer more educators the opportunity to visit the Educator Resource Center Network (ERCN), NASA forms partnerships with planetariums, universities, museums, and other nonprofit organizations to serve as RERCs. Teachers may preview or copy NASA materials upon request.

Tri-State Learning Center
NASA Regional Educator Resource Center
PO Box 508
Iuka, MS 38852-0508
(601) 423-7455

Mississippi Delta Community College
NASA Regional Educator Resource Center
PO Box 668
Moorehead, MS 38761
(601) 246-5631, ext. 125

Space Grant Consortium

The Space Grant Consortium in each State consists of colleges, universities, industry, and other organizations that have an interest in aeronautics and space education. Each consortium receives NASA funds for use in implementing a balanced program of research, education, and public service.

Mississippi Space Grant Consortium
125 Old Chemistry Building
University of Mississippi
University, MS 38677
(601) 232-7482

North Carolina

▶ Department of Agriculture (USDA)

4-H State Leader

The State 4-H Youth Development Programs are administered by the Cooperative Extension Service at land-grant universities. State 4-H leaders coordinate outreach services and training to all county offices.

Dr. Michael A. Davis, Assistant Director
Extension State 4-H Leader
North Carolina State University
PO Box 7606
Raleigh, NC 27695-7606
(919) 515-2801 / Fax: (919) 515-7812
E-mail: mdavis@ncsu.edu

Ag in the Classroom State Leader

This program promotes increased understanding of agriculture and possible careers in the agricultural sciences. With National leadership provided by USDA, each State manages its own programs, with assistance from agribusiness, educational institutions, and government.

Janice Shepard
North Carolina Farm Bureau
PO Box 27766
Raleigh, NC 27611
(919) 782-1705 / Fax: (919) 783-3593

Youth Enrichment Program

Sponsored by the Agricultural Research Service, this program provides first-hand science experience for more than 100 high school students interested in attending college and pursuing science careers.

Rosanna Taylor, Manager
U.S. Department of Agriculture
Office of the Administrator
Special Programs
Room 3552-S
1400 Independence Avenue SW
Washington, DC 20250-0301
(202) 720-3511

▶ Department of Commerce (DOC)

Monitor National Marine Sanctuary

Located 16 miles off Cape Hatteras, North Carolina, this Civil War ironclad warship lies in 220 feet of water. The site was designated as a National marine sanctuary in 1975.

Dina Hill, Education Coordinator
Monitor National Marine Sanctuary
c/o The Mariner's Museum Library
100 Museum Drive
Newport News, VA 23606-3798
(804) 599-3122 / Fax: (804) 591-7353

The National Climatic Data Center

The center publishes meteorological and climatic data that are available to the public for a fee. A catalog listing the products and costs is available.

Jenny Pressley
National Climatic Data Center
National Environmental Satellite, Data, and Information Service
National Oceanic and Atmospheric Administration
151 Patton Avenue, Room 120
Asheville, NC 28801-2733
(704) 271-4258 / Fax: (704) 271-4876

National Sea Grant College Program, Operation Pathfinder

The program consists of two-week summer courses that present an introduction to oceanographic and coastal processes. Courses are available in six regions and are designed to enhance skills in science teaching.

Bill Hall
Delaware Sea Grant
700 Pilottown Road
Lewes, DE 19958
(302) 645-4253 / Fax: (302) 645-4007

North Carolina National Estuarine Research Reserve

The reserve offers educational services for school groups, interpretive services, and educational curriculum development. A field guide is available.

Susan Lovelace, Education Coordinator
North Carolina National Estuarine Research Reserve
North Carolina Division of Coastal Management
PO Drawer 1040
Beaufort, NC 28516
(919) 728-2170 / Fax: (919) 728-6273

▶ Department of Education (ED)

Eisenhower Consortium for Mathematics and Science Education at SERVE

The Eisenhower Regional Consortium provides information and technical assistance to help States and school districts improve mathematics and science education.

Francena Cummings, Director
Eisenhower Consortium for Mathematics and Science Education at SERVE
345 South Magnolia Drive, Suite D-23
Tallahassee, FL 32301-2950
(800) 854-0476
(904) 671-6033 / Fax: (904) 671-6010
WWW: http://www.serve.org/Eisenhower

Eisenhower State Coordinators

Eisenhower State Coordinators administer the Eisenhower Professional Development Program State Formula grants. The program focuses on sustained and intensive high-quality professional development through inservice programs.

Dr. Linda G. Love
Eisenhower Professional Development Program
North Carolina Department of Public Instruction
301 North Willmington
Raleigh, NC 27601-2825
(919) 715-1363 / Fax: (919) 715-0517

Eisenhower State Coordinators for Higher Education

Eisenhower State Coordinators oversee the Eisenhower Professional Development State Formula Grants for the State Agency for Higher Education (SAHE). The program focuses on teacher enhancement through both inservice and preservice programs.

Elizabeth A. French
Eisenhower Mathematics and Science Program
134 1/2 East Franklin Street, CB #3345
UNC—Mathematics and Science Education Network
Chapel Hill, NC 27599-3345
(919) 966-3256 / Fax: (919) 962-1316

Southeast and Islands Regional Technology in Education Consortium (SEIR*TEC)

ED established the Regional Technology in Education Consortia (R*TEC) program in the fall of 1995 to help States, districts, schools, adult literacy centers, and other educational institutions use advanced technology to support improved teaching and student achievement. R*TEC's role in educational technology is unique in two ways: the emphasis is regional and the primary goal is to ensure that technology is used effectively to support school reform. Program strategies include professional development, technical assistance, and information dissemination.

Don Holznagel, Director, SEIR*TEC
41 Marietta Street NW, Suite 1000
Atlanta, GA 30303
(800) 659-3204
(404) 893-0100 / Fax: (404) 577-7812
E-mail: dholznag@serve.org
WWW: http://www.serve.org/seir-tec/

Deborah Williams, R*TEC Project Officer
U.S. Department of Education, OERI
ORAD/SLSD, Room 504f
555 New Jersey Avenue NW
Washington, DC 20208-5644
(202) 219-2204
E-mail: Deborah_Williams@ed.gov

SouthEastern Regional Vision for Education (SERVE)

SERVE identifies effective teaching techniques and school improvement efforts within the region and shares this information with State and local educators.

Roy H. Forbes, Executive Director
SERVE
PO Box 5367
Greensboro, NC 27435
(800) 755-3277
(910) 334-3211 / Fax: (910) 334-3268
WWW: http://serve.org/

▶ Department of Energy (DOE)

Appalachian Regional Commission (ARC) and Oak Ridge National Laboratory (ORNL)

A summer science, mathematics, and technology Teacher Leadership Institute is available for secondary teachers to participate in research-based programs at ORNL. The institute is provided in a two-week summer residential format patterned after the ORNL/National Science Foundation (NSF) National Teacher Enhancement Project and Leadership Institute. Participants are selected by the ARC from secondary schools throughout the ARC region. The focus is on hands-on laboratory research applying the tools and methods used in ongoing ORNL projects in research areas (as appropriate for each teacher's teaching assignment), pedagogy, and leadership. The program will feature telecommunications instruction at the ORNL Regional Science Center and telecommunications will be the primary method used for academic year follow-up and continued interactions with the teachers. Participants in the Teacher Leadership Institute will be hosted by several ORNL research divisions based on each teacher's background and interests. A program coordinator with experience in teacher preparation/higher education delivers instruction in pedagogy and educational leadership.

ARC and ORNL also collaborate on a summer science, mathematics, and technology Summer Science Honors Academy for ARC students to participate in research-based programs at ORNL. Student participants (seniors or graduating seniors) will be selected from secondary schools throughout the ARC region. Students will be teamed with research mentors to participate in hands-on laboratory research applying the tools and methods used in ongoing ORNL projects. Students will also receive telecommunications instruction at the ORNL Regional Science Center.

Terry L. Lashley, Education Partnerships
Team Leader
Oak Ridge National Laboratory
Office of University and Science Education
PO Box 2008
5500A, MS 6366
Oak Ridge, TN 37831-6366
(423) 574-0689 / Fax: (423) 241-6726
E-mail: TL7@ornl.gov

▶ Department of Health and Human Services

National Institute of Environmental Health Sciences

The institute supports life sciences education programs.

National Institute of Environmental Health
Sciences
National Institutes of Health
Office of Institutional Development
Mail Drop B2-09
PO Box 12233
Research Triangle Park, NC 27709
(919) 541-4265

▶ Department of the Interior (DOI)

Albermarle-Pamlico Watershed

Environmental educational materials focusing on the watershed are distributed through teacher workshops, environmental education conferences, festivals, and upon request. These materials cover topics relating to water quality and natural resources in North Carolina's Albermarle and Pamlico Sounds and their watersheds.

John Ellis, Fish and Wildlife Biologist
Raleigh Ecological Services
PO Box 33726
Raleigh, NC 27636-3726
(919) 856-4520, ext. 26 / Fax: (919) 856-4556

Bureau of Land Management Eastern States Office

This office provides information about educational programs, materials, and local land-management issues.

Education Coordinator
Bureau of Land Management
7450 Boston Boulevard
Springfield, VA 22153
(703) 440-1713

Cape Hatteras National Seashore

Environmental education programs are available for fourth grade students at the seashore. Guided tours and lectures are offered to all grade levels.

Division of Interpretation
Cape Hatteras National Seashore
Route 1, Box 675
Manteo, NC 27954
(919) 473-2111

Minerals Management Service (MMS) Regional Office

The MMS Regional Office provides a range of educational services. Teacher inservice programs and classroom visitations may include supplemental materials. Availability may be limited, but arrangements may be made for duplication of some materials at minimal cost.

Office of Communications & Governmental
Affairs
Education Coordinator
Minerals Management Service
1849 C Street NW, LMS4230
Washington, DC 20240-0001
(202) 208-3985 / Fax: (202) 208-3968

Offshore Minerals Management Technical
Communications Service
Minerals Management Service
381 Eldon Street, MS 4530
Herndon, VA 20170-4817
(703) 787-1080 / Fax: (703) 787-1186

Project WILD

Project WILD offers teacher training and educational materials. Teacher guides, free to teachers who attend the training session, contain more than 80 supplementary, interdisciplinary activities for grades K–12.

Celeste Wescott, Project WILD Coordinator
North Carolina Wildlife Resources
Commission
512 North Salisbury Street
Raleigh, NC 27611
(919) 733-7123 / Fax: (919) 733-7083

Wright Brothers National Monument

In Pharm-A-Sea, students are introduced to the concept of biological diversity through a salt marsh slog-walk, where they collect marine plant and animal species and learn of their medicinal uses.

Robert Woody, Chief of Interpretation
Cape Hatteras Group, Wright Brothers NM
Route #1, PO Box 675
Manteo, NC 27954
(919) 473-2111, ext. 112
Fax: (919) 473-2595

▶ Department of Labor (DOL)

Job Training Partnership Act (JTPA) Liaison

The JTPA Liaison can provide information about the Job Training Partnership Act State and local programs for economically disadvantaged adults and youth.

Joel C. New, Director
Division of Employment and Training
North Carolina Department of Commerce
111 Seaboard Avenue
Raleigh, NC 27604
(919) 733-6383 / Fax: (919) 733-6923

▶ Department of Transportation (DOT)

Federal Aviation Administration (FAA) Aviation Education

The FAA Aviation Education Representative coordinates aviation education services, including materials and programs for the FAA in the States assigned to the region.

Programs include the following:

- **The Aviation Career Education (ACE) Academy** is a one-week summer aviation education program for high school students sponsored by the FAA along with a host educational institution. The program provides students with diverse experiences in aviation career exploration. The focus is on aviation career clusters identified by FAA, with an emphasis on opportunities for women and minorities. A goal is to have one program in each State and U.S. Territory. The FAA will conduct regional leadership workshops and provide funds based on the availability of resources.

- **Aviation Education Workshops for Teachers** provide teachers with information on FAA aviation programs and materials and prepare them to teach aviation in the classroom. Annual workshops are conducted at colleges and universities across the Nation. The FAA provides information, materials, and speakers for the program.
- **National Congress on Aviation and Space Education** is sponsored annually by the FAA in partnership with the National Aeronautics and Space Administration and the Civil Air Patrol. The meeting includes teacher workshops and crosstalk sessions to exchange ideas on promoting aerospace education.

George Burnette, ASO-17B.1, FAA Aviation Education Representative
1701 Columbia Avenue
College Park, GA 30337
(404) 305-5350 / Fax: (404) 305-5312

FAA Aviation Education Resource Centers

Located at colleges, museums, and State aviation authority offices, these centers function as information distribution centers for Federal Aviation Administration education materials and resources. The Resource Centers maintain and provide quantities of printed materials, videotapes, and computer educational software. Center personnel can also provide general information, conduct workshops, and make aviation-related presentations.

Helen Caldwell
Elizabeth Aviation High School
1704 Weeksville Road
Elizabeth City, NC 40212
(919) 335-3291

Warren Wren
Wright Brothers National Memorial
US 158 Bypass
Kill Devil Hills, NC 27948
(919) 441-7430

▶ Environmental Protection Agency (EPA)

EPA Regional Office

This office takes part in a variety of environmental education programs for both teachers and students. Programs range from teacher workshops and student contests to in-school presentations. Information on environmental issues is also available through the Public Information Center located at the office.

Rich Nawyn, Environmental Education Coordinator
Environmental Protection Agency
100 Alabama Street SW
Atlanta, GA 30303
(404) 562-8320 / Fax: (404) 562-8335

The President's Environmental Youth Awards (PEYA) Program

Young people from each State are invited to participate in PEYA, a nationwide program designed to encourage individuals, school classes, summer camps, public interest groups, and youth organizations to promote environmental awareness and community involvement. The two components of the program are the regional certificate program and the National awards competition. Regional certificates, signed by the President, are awarded to each participant by EPA Regional Offices. National individual project winners, or one representative from a National award-winning group project, along with one sponsor, are honored at EPA headquarters in Washington, DC. Interested K–12 individuals or groups may obtain application materials and contest rules by contacting the EPA Regional Office that serves their State. PEYA has been an ongoing project since it was created by the White House Office of Education and the EPA in 1971.

EPA Region 4
100 Alabama Street SW
Atlanta, GA 30303
(404) 562-8314 / Fax: (404) 562-8335

▶ National Aeronautics and Space Administration (NASA)

NASA Educator Resource Center

The Center has NASA-related educational materials in various formats, including laserdiscs, CD-ROMs, videotapes, slides, audiotapes, publications, and teacher guides. Educators may preview or copy NASA materials upon request.

Virginia Air and Space Center
NASA Educator Resource Center
600 Settler's Landing Road
Hampton, VA 23669-4033
(804) 727-0900, ext. 757

NASA Field Centers

Each field center has an educational programs officer who is responsible for precollege education programs. In addition to administering National programs, the center offers programs and services to meet regional and local needs.

Marchelle Canright, Center Education Program Officer
NASA Langley Research Center, MS 400
Hampton, VA 23681-0001
(804) 864-3313

NASA Regional Educator Resource Center (RERC)

To offer more educators the opportunity to visit the Educator Resource Center Network (ERCN), NASA forms partnerships with planetariums, universities, museums, and other nonprofit organizations to serve as RERCs. Teachers may preview or copy NASA materials upon request.

University of North Carolina at Charlotte
NASA Regional Educator Resource Center
J. Murrey Atkins Library
Charlotte, NC 28223
(704) 547-2559

Space Grant Consortium

The Space Grant Consortium in each State consists of colleges, universities, industry, and other organizations that have an interest in aeronautics and space education. Each consortium receives NASA funds for use in implementing a balanced program of research, education, and public service.

North Carolina Space Grant Consortium
North Carolina State University
Campus Box 7515
Raleigh, NC 27695-7515
(919) 515-5939

South Carolina

▶ Department of Agriculture (USDA)

4-H State Leader

The State 4-H Youth Development Programs are administered by the Cooperative Extension Service at land-grant universities. State 4-H leaders coordinate outreach services and training to all county offices.

Dr. Diane G. Smathers, Assistant Director
4-H Youth Development
243 Poole Agricultural Center
PO Box 340315
Clemson, SC 29634-0315
(864) 656-2414 / Fax: (864) 656-5723
E-mail: dsmthrs@clemson.edu

Ag in the Classroom State Leader

This program promotes increased understanding of agriculture and possible careers in the agricultural sciences. With National leadership provided by USDA, each State manages its own programs, with assistance from agribusiness, educational institutions, and government.

Robbie Myers
South Carolina Ag in the Classroom
4913 College Lake Drive
Florence, SC 29506
(803) 796-6700

▶ Department of Commerce (DOC)

ACE Basin National Estuarine Research Reserve

The reserve offers teacher workshops, a coastal cruise on a research vessel, and guided nature walks. Reservations are required.

Whit McMillan, Education Coordinator
ACE Basin National Estuarine Research Reserve
South Carolina Wildlife and Marine Resources Department
PO Box 12559
Charleston, SC 29412
(803) 762-5437 or 5007
Fax: (803) 762-5001

National Sea Grant College Program, Operation Pathfinder

The program consists of two-week summer courses that present an introduction to oceanographic and coastal processes. Courses are available in six regions and are designed to enhance skills in science teaching.

Sharon Walker
Mississippi-Alabama Sea Grant Consortium and Gulf Coast Research Laboratory
PO Box 7000
Ocean Springs, MS 39566-7000
(601) 374-5550 / Fax: (601) 374-5559

North Inlet/Winyah Bay National Estuarine Research Reserve

Summer coastal ecology courses for grades K–5 and workshops for teachers are available. Reservations are required.

Wendy Allen, Education Coordinator
North Inlet/Winyah Bay National Estuarine Research Reserve
Baruch Marine Field Laboratory
PO Box 1630
Georgetown, SC 29442
(803) 546-6219 / Fax: (803) 546-1632

▶ Department of Education (ED)

Eisenhower Consortium for Mathematics and Science Education at SERVE

The Eisenhower Regional Consortium provides information and technical assistance to help States and school districts improve mathematics and science education.

Francena Cummings, Director
Eisenhower Consortium for Mathematics and Science Education at SERVE
345 South Magnolia Drive, Suite D-23
Tallahassee, FL 32301-2950
(800) 854-0476
(904) 671-6033 / Fax: (904) 671-6010
WWW: http://www.serve.org/Eisenhower

Eisenhower State Coordinators

Eisenhower State Coordinators administer the Eisenhower Professional Development Program State Formula grants. The program focuses on sustained and intensive high-quality professional development through inservice programs.

Tanzella Gaither
Eisenhower Professional Development Program
703 Rutledge Building, 1429 Senate
Columbia, SC 29201
(803) 734-8312 / Fax: (803) 734-5953

Eisenhower State Coordinators for Higher Education

Eisenhower State Coordinators oversee the Eisenhower Professional Development State Formula Grants for the State Agency for Higher Education (SAHE). The program focuses on teacher enhancement through both inservice and preservice programs.

Nancy Healy-Williams, Academic Program Coordinator
Eisenhower Professional Development Program
South Carolina Commission on Higher Education
1333 Main Street, Suite 200
Columbia, SC 29201
(803) 737-2246 / Fax: (803) 253-2297

Dr. Gail Morrison, Associate Commissioner for Academic Affairs
South Carolina Commission on Higher Education
1333 Main Street, Suite 300
Columbia, SC 29201
(803) 737-2243 / Fax: (803) 737-2297

Southeast and Islands Regional Technology in Education Consortium (SEIR*TEC)

ED established the Regional Technology in Education Consortia (R*TEC) program in the fall of 1995 to help States, districts, schools, adult literacy centers, and other educational institutions use advanced technology to support improved teaching and student achievement. R*TEC's role in educational technology is unique in two ways: the emphasis is regional and the primary goal is to ensure that technology is used effectively to support school reform. Program strategies include professional development, technical assistance, and information dissemination.

Don Holznagel, Director, SEIR*TEC
41 Marietta Street NW, Suite 1000
Atlanta, GA 30303
(800) 659-3204
(404) 893-0100 / Fax: (404) 577-7812
E-mail: dholznag@serve.org
WWW: http://www.serve.org/seir-tec/

Deborah Williams, R*TEC Project Officer
U.S. Department of Education, OERI
ORAD/SLSD, Room 504f
555 New Jersey Avenue NW
Washington, DC 20208-5644
(202) 219-2204
E-mail: Deborah_Williams@ed.gov

SouthEastern Regional Vision for Education (SERVE)

SERVE identifies effective teaching techniques and school improvement efforts within the region and shares this information with State and local educators.

Roy H. Forbes, Executive Director
SERVE
PO Box 5367
Greensboro, NC 27435
(800) 755-3277
(910) 334-3211 / Fax: (910) 334-3268
WWW: http://www.serve.org/

SERVE, South Carolina
1008 Rutledge Building
1429 Senate Street
Columbia, SC 29201
(803) 734-4110 / Fax: (803) 734-3389

Department of Energy (DOE)

Appalachian Regional Commission (ARC) and Oak Ridge National Laboratory (ORNL)

A summer science, mathematics, and technology Teacher Leadership Institute is available for secondary teachers to participate in research-based programs at ORNL. The institute is provided in a two-week summer residential format patterned after the ORNL/National Science Foundation (NSF) National Teacher Enhancement Project and Leadership Institute. Participants are selected by the ARC from secondary schools throughout the ARC region. The focus is on hands-on laboratory research applying the tools and methods used in ongoing ORNL projects in research areas (as appropriate for each teacher's teaching assignment), pedagogy, and leadership. The program will feature telecommunications instruction at the ORNL Regional Science Center and telecommunications will be the primary method used for academic year follow-up and continued interactions with the teachers. Participants in the Teacher Leadership Institute will be hosted by several ORNL research divisions based on each teacher's background and interests. A program coordinator with experience in teacher preparation/higher education delivers instruction in pedagogy and educational leadership.

ARC and ORNL also collaborate on a summer science, mathematics, and technology Summer Science Honors Academy for ARC students to participate in research-based programs at ORNL. Student participants (seniors or graduating seniors) will be selected from secondary schools throughout the ARC region. Students will be teamed with research mentors to participate in hands-on laboratory research applying the tools and methods used in ongoing ORNL projects. Students will also receive telecommunications instruction at the ORNL Regional Science Center.

Terry L. Lashley, Education Partnerships
Team Leader
Oak Ridge National Laboratory
Office of University and Science Education
PO Box 2008
5500A, MS 6366
Oak Ridge, TN 37831-6366
(423) 574-0689 / Fax: (423) 241-6726
E-mail: TL7@ornl.gov

Savannah River Ecology Laboratory (SREL)

SREL offers outstanding short- and long-term educational and research opportunities in ecology and environmental sciences for undergraduate and graduate students and university faculty. The lab also participates in the DOE-sponsored Teacher Research Associates (TRAC) program.

J Vaun McArthur
Savannah River Ecology Laboratory
Environmental Outreach and Education
Division
Program Office, Drawer E
Aiken, SC 29802
(803) 725-9726 / Fax: (803) 725-3309
E-mail: mcarthur@srel.edu

Savannah River Site (SRS)

Tours of SRS are available to groups who wish to obtain educational knowledge or general information about the site. High school groups and college or university organizations may request an invitation to tour.

WSRC Visitors Program
Community Relations Department
Building 705-A
Aiken, SC 29803
(803) 725-0191

Department of the Interior (DOI)

Bureau of Land Management Eastern States Office

This office provides information about educational programs, materials, and local land-management issues.

Education Coordinator
Bureau of Land Management
7450 Boston Boulevard
Springfield, VA 22153
(703) 440-1713

Carolina Sandhills National Wildlife Refuge

Both in-school presentations and guided field trips at the refuge can be arranged upon request.

Carolina Sandhills National Wildlife Refuge
Route 2, Box 330
McBee, SC 29101
(803) 335-8401 / Fax: (803) 335-8406

Congaree Swamp National Monument

Spring and fall environmental programs are offered for students at the monument, while summer workshops are available for teachers. Guided walks are also available.

Division of Interpretation
Congaree Swamp National Monument
200 Caroline Simms Road
Hopkins, SC 20961
(803) 776-4396

Minerals Management Service (MMS) Regional Office

The MMS Regional Office provides a range of educational services. Teacher inservice programs and classroom visitations may include supplemental materials. Availability may be limited, but arrangements may be made for duplication of some materials at minimal cost.

Office of Communications & Governmental
Affairs
Education Coordinator
Minerals Management Service
1849 C Street NW, LMS4230
Washington, DC 20240-0001
(202) 208-3985 / Fax: (202) 208-3968

Offshore Minerals Management Technical
Communications Service
Minerals Management Service
381 Eldon Street, MS 4530
Herndon, VA 20170-4817
(703) 787-1080 / Fax: (703) 787-1186

Project WILD

Project WILD offers teacher training and educational materials. Teacher guides, free to teachers who attend the training session, contain more than 80 supplementary, interdisciplinary activities for grades K–12.

Don Winslow, Project WILD Coordinator
South Carolina Wildlife and Marine
Resources
1000 Assembly, PO Box 167
Columbia, SC 29202
(803) 734-3888 / Fax: (803) 734-3951

Department of Labor (DOL)

Job Training Partnership Act (JTPA) Liaison

The JTPA Liaison can provide information about the Job Training Partnership Act State and local programs for economically disadvantaged adults and youth.

Dr. Robert E. David, Executive Director
South Carolina Employment Security
Commission
PO Box 995
Columbia, SC 29202
(803) 737-2617 / Fax: (803) 737-2642

Department of Transportation (DOT)

Federal Aviation Administration (FAA) Aviation Education

The FAA Aviation Education Representative coordinates aviation education services, including materials and programs for the FAA in the States assigned to the region.

Programs include the following:

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George Burnette, ASO-17B.1, FAA Aviation Education Representative
1701 Columbia Avenue
College Park, GA 30337
(404) 305-5350 / Fax: (404) 305-5312

FAA Aviation Education Resource Centers

Located at colleges, museums, and State aviation authority offices, these centers function as information distribution centers for Federal Aviation Administration education materials and resources. The Resource Centers maintain and provide quantities of printed materials, videotapes, and computer educational software. Center personnel can also provide general information, conduct workshops, and make aviation-related presentations.

Parnell Smith, Dean
Clinton Junior College
PO Box 968
Rock Hill, SC 29731
(803) 327-7402

Environmental Protection Agency (EPA)

EPA Regional Office

This office takes part in a variety of environmental education programs for both teachers and students. Programs range from teacher workshops and student contests to in-school presentations. Information on environmental issues is also available through the Public Information Center located at the office.

Rich Nawyn, Environmental Education Coordinator
Environmental Protection Agency
100 Alabama Street SW
Atlanta, GA 30303
(404) 562-8320 / Fax: (404) 562-8335

The President's Environmental Youth Awards (PEYA) Program

Young people from each State are invited to participate in PEYA, a nationwide program designed to encourage individuals, school classes, summer camps, public interest groups, and youth organizations to promote environmental awareness and community involvement. The two components of the program are the regional certificate program and the National awards competition. Regional certificates, signed by the President, are awarded to each participant by EPA Regional Offices. National individual project winners, or one representative from a National award-winning group project, along with one sponsor, are honored at EPA headquarters in Washington, DC. Interested K–12 individuals or groups may obtain application materials and contest rules by contacting the EPA Regional Office that serves their State. PEYA has been an ongoing project since it was created by the White House Office of Education and the EPA in 1971.

EPA Region 4
100 Alabama Street SW
Atlanta, GA 30303
(404) 562-8314 / Fax: (404) 562-8335

National Aeronautics and Space Administration (NASA)

NASA Educator Resource Center

The Center has NASA-related educational materials in various formats, including laserdiscs, CD-ROMs, videotapes, slides, audiotapes, publications, and teacher guides. Educators may preview or copy NASA materials upon request.

Virginia Air and Space Center
NASA Educator Resource Center
600 Settler's Landing Road
Hampton, VA 23669-4033
(804) 727-0900, ext. 757

NASA Field Centers

Each field center has an educational programs officer who is responsible for precollege education programs. In addition to administering National programs, the center offers programs and services to meet regional and local needs.

Marchelle Canright, Center Education Program Officer
NASA Langley Research Center, MS 400
Hampton, VA 23681-0001
(804) 864-3313

NASA Regional Educator Resource Center (RERC)

To offer more educators the opportunity to visit the Educator Resource Center Network (ERCN), NASA forms partnerships with planetariums, universities, museums, and other nonprofit organizations to serve as RERCs. Teachers may preview or copy NASA materials upon request.

Stanback Planetarium
NASA Regional Educator Resource Center
South Carolina State University
PO Box 7636
Orangeburg, SC 29117-7636
(803) 536-8709/7174/8119

Space Grant Consortium

The Space Grant Consortium in each State consists of colleges, universities, industry, and other organizations that have an interest in aeronautics and space education. Each consortium receives NASA funds for use in implementing a balanced program of research, education, and public service.

South Carolina Space Grant Consortium
Department of Geology
58 Coming Street
Charleston, SC 29424
(803) 953-5463

▶ National Science Foundation (NSF)

Statewide Systemic Initiatives (SSI) Program

South Carolina's SSI Program uses regional centers to achieve systemic reform. These centers develop teacher leaders and expand their expertise in instructional strategies, assessment, and community outreach projects. This initiative is supported by changes in policy, certification standards for both teachers and administrators, school regulations and accountability, and the development of State science and mathematics curriculum frameworks.

Dennis Bartels
1429 Senate Street
Rutledge Building, Room 703
Columbia, SC 29201
(803) 734-8277 / Fax: (803) 734-8624

- Arkansas
- Louisiana
- New Mexico
- Oklahoma
- Texas

Southwest Region

Eisenhower Southwest Consortium for the Improvement of Mathematics and Science Teaching

Eisenhower Southwest Consortium for the Improvement of Mathematics and Science Teaching

The Eisenhower Southwest Consortium for the Improvement of Mathematics and Science Teaching (SCIMAST) is one of the 10 Eisenhower Mathematics and Science Regional Consortia established by the U.S. Department of Education. The National Network of Eisenhower Regional Consortia and the Eisenhower National Clearinghouse for Mathematics and Science Education form a coordinated, field-based National infrastructure to promote systemic educational reform. The Consortium supports systemic educational reform in its region, with objectives to support regional, State, and local reform initiatives and to fill gaps in knowledge and service. These efforts help educators:

- Develop statewide visions of a system of mathematics and science education that provides equal access to all students and reflects emerging world-class standards.
- Develop State policies and systems to guide the implementation of that vision.
- Implement professional development approaches that model effective teaching and provide sustained support.
- Identify, adapt, and use instructional materials, methods, and assessment tools to implement new visions of mathematics and science education.

Since the fall of 1992, SCIMAST has been funded through grants from the U.S. Department of Education's Eisenhower National Program for Mathematics and Science Education. This year's Federal funds for SCIMAST total $1,470,000, representing 80 percent of the project's costs. An additional $367,500 is provided by non-Federal sources, making up the final 20 percent of project costs. SCIMAST is operated by the Southwest Educational Development Laboratory, which has provided educational services to the Southwestern region since 1966.

Activities

Consortium activities are grounded in the belief that "systemic reform" requires support for change at all levels of the educational system, and that educators at all levels must participate in setting the direction for change. If any single group is most critical in transforming educational practice, it is teachers. They need an active voice in the reform movement; they also need strong programs of professional development and support. Teachers often teach in the ways they have been taught, not in the ways they have been educated to teach; therefore, teacher training needs to effectively model the instructional approaches that teachers are expected to use in the classroom.

Consortium activities also reflect the belief that equity must be a priority in the reform and redesign of math and science education. No country can maintain world-class status if half or more of its students are disenfranchised from the system. Moreover, "equal access" means much more than simply the freedom to walk in the door of a classroom or enroll in a course—it includes access to ideas and resources. Instructional content and strategies, then, must be geared to the context, interests, and needs of every student, not merely those for whom the math and science pipeline has traditionally been structured.

SCIMAST's organizational structures and activities are designed to be as inclusive as possible, promoting open communication and collaboration among a broad spectrum of participants. The 15-member Consortium Advisory Board includes representatives from all levels of educational policy and practice and reflects the Southwestern region's cultural and ethnic diversities. Regional forums and other Consortium-sponsored meetings are open to all constituencies. Service activities also are targeted to a wide range of practitioners and policymakers.

Services

The Consortium offers services to educators at all levels, including State and local policymakers; teacher trainers and professional development staff; and local administrators, supervisors, and teachers. Networking activities include regional forums that focus on reform issues and concerns, as well as State-level meetings that facilitate consensus regarding standards and policies. Technical assistance is provided to States to support development and implementation of statewide visions, goals, standards, frameworks, curricula, materials, assessments, and instructional practices. Schools also receive technical assistance to identify, select, and implement quality programs, materials, and assessment activities.

Professional development activities are available in the form of work sessions for policymakers and teacher trainers to increase their awareness and proficiency in using effective, student-centered staff development approaches. Professional development awards are available to support and strengthen local programs at both preservice and inservice levels. The Consortium also provides intensive long-term professional development and follow-up support for teachers, providing up-to-date content and modeling effective teaching practices.

The Consortium identifies regional resources, including materials, instructional methods, and assessment tools, appropriate for dissemination via the Eisenhower National Clearinghouse (ENC). It also provides dissemination of information about reform issues, regional resources, SCIMAST services, and the services and information available through ENC.

Stephen Marble,
Director

Sharon Adams,
Information Services Associate

Wanda Guzman,
Senior Training Associate

Dawn McArdle,
Administrative Secretary

Veronica Mendoza,
Administrative Secretary

Mary Jo Powell
Technical Writing Associate

Barbara Salyer,
Senior Training Associate

Kathy Schmidt,
Evaluation Associate

Lori Snider,
Administrative Assistant

Maria Torres,
Senior Training Associate

Associated Staff:

Margaret Bolick,
Senior Training Associate

Glenda Clark,
Senior Training Associate

Sandra Finley,
Senior Training Associate

Chris Ferguson,
Senior Training Associate

Southwest Consortium for the Improvement
of Mathematics and Science Teaching
211 East Seventh Street
Austin, TX 78701
(512) 476-6861 / Fax: (512) 476-2286
E-mail: scimast@sedl.org
WWW: http://www.sedl.org/sedl/
scimast.html

Arkansas

▶ Department of Agriculture (USDA)

4-H State Leader

The State 4-H Youth Development Programs are administered by the Cooperative Extension Service at land-grant universities. State 4-H leaders coordinate outreach services and training to all county offices.

Dr. Frank T. Plafcan, 4-H State Leader
2301 University Avenue, PO Box 391
University of Arkansas
Little Rock, AR 72203
(501) 671-2059 / Fax: (501) 671-2251
E-mail: fplafcan@uaex.edu

Ag in the Classroom State Leader

This program promotes increased understanding of agriculture and possible careers in the agricultural sciences. With National leadership provided by USDA, each State manages its own programs, with assistance from agribusiness, educational institutions, and government.

Dr. Larry R. Dale
ASU Center for Economic Education
PO Box 2890
University of Arkansas
State University, AR 72467-2890
(501) 972-3810 / Fax: (501) 972-3810

▶ Department of Education (ED)

Eisenhower State Coordinators

Eisenhower State Coordinators administer the Eisenhower Professional Development Program State Formula grants. The program focuses on sustained and intensive high-quality professional development through inservice programs.

Dr. Charles Watson
Eisenhower Professional Development
Program
Arkansas Department of Education
Four State Capitol Mall, Room 107-A
Little Rock, AR 72201
(501) 682-4474 / Fax: (501) 682-4886

Eisenhower State Coordinators for Higher Education

Eisenhower State Coordinators oversee the Eisenhower Professional Development State Formula Grants for the State Agency for Higher Education (SAHE). The program focuses on teacher enhancement through both inservice and preservice programs.

Suzanne Mitchell
Eisenhower Professional Development
Program
Arkansas Department of Higher Education
114 East Capitol Avenue
Little Rock, AR 72201-1904
(501) 324-9300 / Fax: (501) 324-9308

Southeast and Islands Regional Technology in Education Consortium (SEIR*TEC)

ED established the Regional Technology in Education Consortia (R*TEC) program in the fall of 1995 to help States, districts, schools, adult literacy centers, and other educational institutions use advanced technology to support improved teaching and student achievement. R*TEC's role in educational technology is unique in two ways: the emphasis is regional and the primary goal is to ensure that technology is used effectively to support school reform. Program strategies include professional development, technical assistance, and information dissemination.

Don Holznagel, Director
SEIR*TEC
41 Marietta Street NW, Suite 1000
Atlanta, GA 30303
(800) 659-3204
(404) 893-0100 / Fax: (404) 577-7812
E-mail: dholznag@serve.org
WWW: http://www.serve.org/seir-tec/

Deborah Williams, R*TEC Project Officer
U.S. Department of Education
Office of Educational Research and
Improvement
ORAD/SLSD, Room 504f
555 New Jersey Avenue NW
Washington, DC 20208-5644
(202) 219-2204
E-mail: Deborah_Williams@ed.gov

Southwest Consortium for the Improvement of Mathematics and Science Teaching (SCIMAST)

The Eisenhower Regional Consortium provides information and technical assistance to help States and school districts improve mathematics and science education.

Stephen Marble, Director
SCIMAST
211 East Seventh Street
Austin, TX 78701
(512) 476-6861 / Fax: (512) 476-2286
WWW: http://www.sedl.org/sedl/
scimast.html

Southwest Educational Development Laboratory (SEDL)

SEDL identifies effective teaching techniques and school improvement efforts within the region and shares this information with State and local educators.

Wesley A. Hoover, Executive Director
SEDL
211 East Seventh Street
Austin, TX 78701
(512) 476-6861 / Fax: (512) 476-2286
WWW: http://www.sedl.org

▶ Department of the Interior (DOI)

Arkansas Post National Memorial

The memorial offers guided nature walks and lectures that focus on archeology, biology, water conservation and ecology, and anthropology.

Division of Interpretation
Arkansas Post National Memorial
Route 1, Box 16
Gillett, AR 72055
(501) 548-2432

Buffalo National River

Nuts About Nature is a teacher workshop given through the Ozark Unlimited Resources Cooperative to teachers from 21 school districts in and around Harrison, Arkansas. Practical demonstrations on environmental concepts are offered to help teachers in these rural areas learn more about the Buffalo National River.

In the Arkansas Water Education Team (WET) program, students are taught to monitor water quality using EPA-approved techniques. Schools are provided with equipment and supplies needed to monitor a stream near their school. Lead agency representatives work closely with schools to guide them through ongoing data collection and analysis. The program includes physical, chemical, and biological components.

Douglas Wilson, Chief Park Interpreter
Buffalo National River
PO Box 1173
Harrison, AR 72602-1173
(501) 741-5443 / Fax: (501) 741-7286

Bureau of Land Management Eastern States Office

This office provides information about educational programs, materials, and local land-management issues.

Education Coordinator
Bureau of Land Management
7450 Boston Boulevard
Springfield, VA 22153
(703) 440-1713

Hot Springs National Park

The program How Hot is the Water? lets student groups measure the temperature of the hot springs using Fahrenheit and Celsius thermometers. Class results are then averaged.

Gail Sears, Park Ranger—Interpretation
Hot Springs National Park
PO Box 1860
Hot Springs, AR 71902
(501) 623-1433, ext. 656
Fax: (505) 624-1536

Project WILD

Project WILD offers teacher training and educational materials. Teacher guides, free to teachers who attend the training session, contain more than 80 supplementary, interdisciplinary activities for grades K–12.

Pat Knighten, Project WILD Coordinator
Arkansas Game and Fish Commission
2 Natural Resources Drive
Little Rock, AR 72205
(501) 223-6405 / Fax: (501) 233-6447

▶ Department of Labor (DOL)

Job Training Partnership Act (JTPA) Liaison

The JTPA Liaison can provide information about the Job Training Partnership Act State and local programs for economically disadvantaged adults and youth.

Sharon Robinette
Administrator Employment and Training Division
Arkansas Employment Security Division
2 Capitol Mall, Room 303
Little Rock, AR 72203
(501) 682-1684 / Fax: (501) 682-1344

▶ Department of Transportation (DOT)

Federal Aviation Administration (FAA) Aviation Education

The FAA Aviation Education Representative coordinates aviation education services, including materials and programs for the FAA in the States assigned to the region.

Programs include the following:

- **The Aviation Career Education (ACE) Academy** is a one-week summer aviation education program for high school students sponsored by the FAA along with a host educational institution. The program provides students with diverse experiences in aviation career exploration. The focus is on aviation career clusters identified by FAA, with an emphasis on opportunities for women and minorities. A goal is to have one program in each State and U.S. Territory. The FAA will conduct regional leadership workshops and provide funds based on the availability of resources.
- **Aviation Education Workshops for Teachers** provide teachers with information on FAA aviation programs and materials and prepare them to teach aviation in the classroom. Annual workshops are conducted at colleges and universities across the Nation. The FAA provides information, materials, and speakers for the program.
- **National Congress on Aviation and Space Education** is sponsored annually by the FAA in partnership with the National Aeronautics and Space Administration and the Civil Air Patrol. The meeting includes teacher workshops and crosstalk sessions to exchange ideas on promoting aerospace education.

Debra Myers, ASW-18B, FAA Aviation Education Representative
2601 Meacham Boulevard
Fort Worth, TX 76193
(817) 222-5833 / Fax: (817) 222-5950

FAA Aviation Education Resource Centers

Located at colleges, museums, and State aviation authority offices, these centers function as information distribution centers for Federal Aviation Administration education materials and resources. The Resource Centers maintain and provide quantities of printed materials, videotapes, and computer educational software. Center personnel can also provide general information, conduct workshops, and make aviation-related presentations.

Louis Midkiff
Aviation Education Resource Center
Crowley's Ridge Education Service Cooperative
PO Box 377
Harrisburg, AR 72432
(501) 578-5426

Catherine Johnson
Aerospace Education Center
PO Box 7332
425 West Capital Avenue
Suite 3280
Little Rock, AR 72201
(503) 371-0331

▶ Environmental Protection Agency (EPA)

EPA Regional Office

This office takes part in a variety of environmental education programs for both teachers and students. Programs range from teacher workshops and student contests to in-school presentations. Information on environmental issues is also available through the Public Information Center located at the office.

Jo Taylor, Environmental Education Coordinator
Environmental Protection Agency
1445 Ross Avenue (6X)
Dallas, TX 75202
(214) 655-2204 / Fax: (214) 655-2118

The President's Environmental Youth Awards (PEYA) Program

Young people from each State are invited to participate in PEYA, a nationwide program designed to encourage individuals, school classes, summer camps, public interest groups, and youth organizations to promote environmental awareness and community involvement. The two components of the program are the regional certificate program and the National awards competition. Regional certificates, signed by the President, are awarded to each participant by EPA Regional Offices. National individual project winners, or one representative from a National award-winning group project, along with one sponsor, are honored at EPA headquarters, Washington, DC. Interested K–12 individuals or groups may obtain application materials and contest rules by contacting the EPA Regional Office that serves their State. PEYA has been an ongoing project since it was created by the White House Office of Education and the EPA in 1971.

EPA Region 6
1445 Ross Avenue
Dallas, TX 75202-2733
(214) 655-2204 / Fax: (214) 655-2118

▶National Aeronautics and Space Administration (NASA)

NASA Educator Resource Center

The center has NASA-related educational materials in various formats, including laserdiscs, CD-ROMs, videotapes, slides, audiotapes, publications, and teacher guides. Educators may preview or copy NASA materials upon request.

U.S. Space and Rocket Center
NASA Educator Resource Center for
Marshall Space Flight Center
PO Box 070015
Huntsville, AL 35807-7015
(205) 544-5812

NASA Field Centers

Each field center has an educational programs officer who is responsible for precollege education programs. In addition to administering National programs, the center offers programs and services to meet regional and local needs.

Jim Pruitt, Acting Director
Education Programs Office
Mail Code CL01
NASA Marshall Space Flight Center
Huntsville, AL 35812-0001
(205) 544-8800

NASA Regional Educator Resource Center (RERC)

To offer more educators the opportunity to visit the Educator Resource Center Network (ERCN), NASA forms partnerships with planetariums, universities, museums, and other nonprofit organizations to serve as RERCs. Teachers may preview or copy NASA materials upon request.

University of Arkansas at Little Rock
Natural Sciences Building, Room 215
2801 South University
Little Rock, AR 72204
(501) 569-3259

Space Grant Consortium

The Space Grant Consortium in each State consists of colleges, universities, industry, and other organizations that have an interest in aeronautics and space education. Each consortium receives NASA funds for use in implementing a balanced program of research, education, and public service.

Arkansas Space Grant Consortium
University of Arkansas at Little Rock
Graduate Institute of Technology, ETAS 125
2801 South University Avenue
Little Rock, AR 72204-1099
(501) 569-8212

▶National Science Foundation (NSF)

Arkansas Statewide Systemic Initiatives (SSI) Program

Business and education partnerships, plus broad-based coalitions, function as management structures to expand the mathematics and science alliances in five designated regions. The Arkansas SSI develops K–16 mathematics and science leadership through the Arkansas Crusades, a unique statewide professional development program.

Suzanne Mitchell
Arkansas Department of Higher Education
114 East Capitol Avenue
Little Rock, AR 72201
(501) 324-9300 / Fax: (501) 324-9308
E-mail: smitchell@ssi.edc.org

Louisiana

▶Department of Agriculture (USDA)

4-H State Leader

The State 4-H Youth Development Programs are administered by the Cooperative Extension Service at land-grant universities. State 4-H leaders coordinate outreach services and training to all county offices.

Dr. Stephen R. Mullen, Program Leader
4-H and Youth Development
Louisiana State University
PO Box 25100
Baton Rouge, LA 70894-5100
(504) 388-2196 / Fax: (504) 388-2478
E-mail: smuller@lsuvm.sncc.lsu.edu

Ag in the Classroom State Leader

This program promotes increased understanding of agriculture and possible careers in the agricultural sciences. With National leadership provided by USDA, each State manages its own programs, with assistance from agribusiness, educational institutions, and government.

Barbara Langley
Louisiana Farm Bureau Federation
PO Box 95004
Baton Rouge, LA 70895-9004
(504) 922-6200 / Fax: (504) 922-6251

Lynda Danos
2144 Highway 1
Raceland, LA 70394
(504) 448-2395

▶Department of Commerce (DOC)

National Sea Grant College Program, Operation Pathfinder

The program consists of two-week summer courses that present an introduction to oceanographic and coastal processes. Courses are available in six regions and are designed to enhance skills in science teaching.

Sharon Walker
Mississippi-Alabama Sea Grant Consortium
and Gulf Coast Research Laboratory
PO Box 7000
Ocean Springs, MS 39566-7000
(601) 374-5550 / Fax: (601) 374-5559

▶Department of Defense (DoD)

Eighth Air Force Museum

The museum exhibits aircraft from pre-World War II to the modern era with an emphasis on the advancement of aviation and bombardment technology. Tours are available upon request.

Eighth Air Force Museum
88 Shreveport Road
Barksdale Air Force Base, LA 71110-9260
(318) 456-5553

Naval Reserve Force, New Orleans

This unit participates in the Navy Community Service Program through formation of partnerships with schools and other youth organizations in Louisiana, Arkansas, New Mexico, Oklahoma, and Texas.

NAVRESFOR, New Orleans
Commander
Naval Reserve Force
4400 Dauphine Street
Code 009
New Orleans, LA 70142-5000
(504) 948-5307

▶ Department of Education (ED)

Eisenhower State Coordinators

Eisenhower State Coordinators administer the Eisenhower Professional Development Program State Formula grants. The program focuses on sustained and intensive high-quality professional development through inservice programs.

Dan K. Lewis
Eisenhower Professional Development
Program
Louisiana Department of Education
PO Box 94064
Baton Rouge, LA 70804-9064
(504) 342-3375 / Fax: (504) 342-3448

Eisenhower State Coordinators for Higher Education

Eisenhower State Coordinators oversee the Eisenhower Professional Development State Formula Grants for the State Agency for Higher Education (SAHE). The program focuses on teacher enhancement through both inservice and preservice programs.

Dr. Kerry Davidson, Deputy Commissioner
Academic Affairs and Sponsored Programs
Eisenhower Professional Development
Program
Louisiana Board of Regents
150 Third Street, Suite 129
Baton Rouge, LA 70801-1389
(504) 342-4253 / Fax: (504) 342-9318

Dick Anderson, Assistant Commissioner of
Sponsored Programs
Eisenhower Professional Development
Program
Louisiana Board of Regents
1885 Wooddale Boulevard, 11th Floor
Baton Rouge, LA 70806
(504) 922-0690 / Fax: (504) 922-0688

Southeast and Islands Regional Technology in Education Consortium (SEIR*TEC)

ED established the Regional Technology in Education Consortia (R*TEC) program in the fall of 1995 to help States, districts, schools, adult literacy centers, and other educational institutions use advanced technology to support improved teaching and student achievement. R*TEC's role in educational technology is unique in two ways: the emphasis is regional and the primary goal is to ensure that technology is used effectively to support school reform. Program strategies include professional development, technical assistance, and information dissemination.

Don Holznagel, Director
SEIR*TEC
41 Marietta Street NW, Suite 1000
Atlanta, GA 30303
(800) 659-3204
(404) 893-0100 / Fax: (404) 577-7812
E-mail: dholznag@serve.org
WWW: http://www.serve.org/seir-tec/

Deborah Williams, R*TEC Project Officer
U.S. Department of Education
Office of Educational Research and
Improvement
ORAD/SLSD, Room 504f
555 New Jersey Avenue NW
Washington, DC 20208-5644
(202) 219-2204
E-mail: Deborah_Williams@ed.gov

Southwest Consortium for the Improvement of Mathematics and Science Teaching (SCIMAST)

The Eisenhower Regional Consortium provides information and technical assistance to help States and school districts improve mathematics and science education.

Stephen Marble, Director
SCIMAST
211 East Seventh Street
Austin, TX 78701
(512) 476-6861 / Fax: (512) 476-2286
WWW: http://www.sedl.org/sedl/
scimast.html

Southwest Educational Development Laboratory (SEDL)

SEDL identifies effective teaching techniques and school improvement efforts within the region and shares this information with State and local educators.

Wesley A. Hoover, Executive Director
SEDL
211 East Seventh Street
Austin, TX 78701
(512) 476-6861 / Fax: (512) 476-2286
WWW: http://www.sedl.org

▶ Department of Energy (DOE)

Strategic Petroleum Reserve

The reserve provides teacher fellowships, student support programs, and curriculum material loans and sponsors a Regional Science Bowl.

Durinda Robinson, Special Assistant
Strategic Petroleum Reserve
900 Commerce Road East
New Orleans, LA 70123
(504) 734-4312 / Fax: (504) 734-4672

▶ Department of the Interior (DOI)

Bayou Sauvage National Wildlife Refuge

Guided walks and canoe trips at the refuge promote awareness in wetlands management. In-class presentations are also available.

Lynn Payne
Bayou Sauvage National Wildlife Refuge
1010 Grause Boulevard, Building 936
Slidell, LA 70458
(504) 646-7555 / Fax: (504) 646-7588

Bureau of Land Management Eastern States Office

This office provides information about educational programs, materials, and local land-management issues.

Education Coordinator
Bureau of Land Management
7450 Boston Boulevard
Springfield, VA 22153
(703) 440-1713

Career Oriented Science and Mathematics Integrated Course (COSMIC)

This three-week summer program is designed to encourage girls in exploring future careers in the fields of science and math. Participants meet women professionals in various fields.

Gail B. Rainey, Physical Oceanographer
1201 Elmwood Park Boulevard
New Orleans, LA 70123
(504) 736-2792 / Fax: (504) 736- 2610

Minerals Management Service (MMS) Regional Office

The MMS Regional Office provides a range of educational services. Teacher inservice programs and classroom visitations may include supplemental materials. Availability may be limited, but arrangements may be made for duplication of some materials at minimal cost.

Gulf of Mexico Outer Continental Shelf Region
Minerals Management Service
Office of Public Affairs
1201 Elmwood Park Boulevard, MS 5000
New Orleans, LA 70123-2394
(504) 736-2595
(800) 200-GULF / Fax: (504) 736-2459

Project WILD

Project WILD offers teacher training and educational materials. Teacher guides, free to teachers who attend the training session, contain more than 80 supplementary, interdisciplinary activities for grades K–12.

Wayne Huston, Project WILD Coordinator
Department of Wildlife and Fisheries
PO Box 98000
Baton Rouge, LA 70898-9000
(504) 765-2922 / Fax: (504) 763-3568

National Wetland Research Center

In a four-week Summer Teacher Enhancement Institute, high school science teachers are offered the opportunity to experience microscopic methods as currently applied in the study of wetland microbial community dynamics. Efforts are made to apply what the teachers learn to curriculum design and implementation during the institute and in follow-up.

Workshop on Wetlands Mapping and GIS for Educators is an eight-hour workshop providing hands-on experience with the Geographic Information System (GIS) software MapiX. Teachers display and query historical databases on marsh and wetland distribution. The workshop includes a discussion of wetland processes.

Gerald Grau, Assistant Director
National Wetland Research Center
700 Cajundome Boulevard
Lafayette, LA 70506
(318) 266-8500 / Fax: (318) 2666-8513
E-mail: grauj@nwrc.gov

Science Center

Earth Stewards: A Partnership Among Resource Professionals, Neighborhood Schools, and Communities uses resources of the Fish and Wildlife Service to educate school children and communities about biological resources and local conservation issues.

Saturday Science Academy provides enrichment activities related to science, math, computer, language arts, and art. Children in grades 3–8 meet four hours each Saturday during the spring and summer semesters.

Wendell D. Calhoun, Communication Specialist
Southern Science Center
700 Cajundome Blvd.
Lafayette, LA 70506
(318) 266-8550 or 8553 / Fax: (318) 266-8513
E-mail: calhoun@nwrc.gov

Southeast Louisiana Refuges

Introduction to the Wetlands allows students to learn about this environment through hands-on activities. Sessions can be conducted on land or from canoes and walkways. The program includes activities with all plants and animals found in a south Louisiana freshwater marsh.

William Lynn Payne, Environmental Education Specialist
Southeast Louisiana Refuges
1010 Gause Boulevard, Building 936
Slidell, LA 70458
(504) 646-7555 / Fax: (504) 646-7558

▶ Department of Labor (DOL)

Job Training Partnership Act (JTPA) Liaison

The JTPA Liaison can provide information about the Job Training Partnership Act State and local programs for economically disadvantaged adults and youth.

Joseph Stone, Assistant Secretary
Louisiana Office of Labor
PO Box 94094
Baton Rouge, LA 70804-9094
(504) 342-7693 / Fax: (504) 342-7960

▶ Department of Transportation (DOT)

Federal Aviation Administration (FAA) Aviation Education

The FAA Aviation Education Representative coordinates aviation education services, including materials and programs for the FAA in the States assigned to the region.

Programs include the following:

- **The Aviation Career Education (ACE) Academy** is a one-week summer aviation education program for high school students sponsored by the FAA along with a host educational institution. The program provides students with diverse experiences in aviation career exploration. The focus is on aviation career clusters identified by FAA, with an emphasis on opportunities for women and minorities. A goal is to have one program in each State and U.S. Territory. The FAA will conduct regional leadership workshops and provide funds based on the availability of resources.
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Debra Myers, ASW-18B
FAA Aviation Education Representative
2601 Meacham Boulevard
Fort Worth, TX 76193-018B
(817) 222-5833 / Fax: (817) 222-5950

FAA Aviation Education Resource Centers

Located at colleges, museums, and State aviation authority offices, these centers function as information distribution centers for Federal Aviation Administration education materials and resources. The Resource Centers maintain and provide quantities of printed materials, videotapes, and computer educational software. Center personnel can also provide general information, conduct workshops, and make aviation-related presentations.

Dr. Marlon Abbas, Director
Aviation Education Resource Center
Louisiana State University
Transportation Systems Group
Louisiana Transportation Research Center
4101 Gourrier Avenue
Baton Rouge, LA 70808
(504) 767-9127

Ernie Bruce
Aviation Education Resource Center
Northeast Louisiana University
Room 103
Chemistry and Natural Sciences Building
Monroe, LA 71209-0590
(318) 342-1784

▶ Environmental Protection Agency (EPA)

EPA Regional Office

This office takes part in a variety of environmental education programs for both teachers and students. Programs range from teacher workshops and student contests to in-school presentations. Information on environmental issues is also available through the Public Information Center located at the office.

Jo Taylor, Environmental Education Coordinator
Environmental Protection Agency
1445 Ross Avenue (6X)
Dallas, TX 75202
(214) 655-2204 / Fax: (214) 655-2118

The President's Environmental Youth Awards (PEYA) Program

Young people from each State are invited to participate in PEYA, a nationwide program designed to encourage individuals, school classes, summer camps, public interest groups, and youth organizations to promote environmental awareness and community involvement. The two components of the program are the regional certificate program and the National awards competition. Regional certificates, signed by the President, are awarded to each participant by EPA Regional Offices. National individual project winners, or one representative from a National award-winning group project, along with one sponsor, are honored at EPA headquarters, Washington, DC. Interested K–12 individuals or groups may obtain application materials and contest rules by contacting the EPA Regional Office that serves their State. PEYA has been an ongoing project since it was created by the White House Office of Education and the EPA in 1971.

EPA Region 6
1445 Ross Avenue
Dallas, TX 75202-2733
(214) 655-2204 / Fax: (214) 655-2118

▶ National Aeronautics and Space Administration (NASA)

NASA Educator Resource Center

The center has NASA-related educational materials in various formats, including laserdiscs, CD-ROMs, videotapes, slides, audiotapes, publications, and teacher guides. Educators may preview or copy NASA materials upon request.

U.S. Space and Rocket Center
NASA Educator Resource Center for Marshall Space Flight Center
PO Box 070015
Huntsville, AL 35807-7015
(205) 544-5812

NASA Field Centers

Each field center has an educational programs officer who is responsible for precollege education programs. In addition to administering National programs, the center offers programs and services to meet regional and local needs.

Jim Pruitt, Acting Director
Education Programs Office
Mail Code CL01
NASA Marshall Space Flight Center
Huntsville, AL 35812-0001
(205) 544-8800

NASA Regional Educator Resource Center (RERC)

To offer more educators the opportunity to visit the Educator Resource Center Network (ERCN), NASA forms partnerships with planetariums, universities, museums, and other nonprofit organizations to serve as RERCs. Teachers may preview or copy NASA materials upon request.

Bossier Parish Community College
NASA Regional Educator Resource Center
2719 Airline Drive
Bossier City, LA 71111
(318) 746-7754

Southern University-Shreveport
NASA Regional Educator Resource Center
Downtown Metro Center
610 Texas Street
Shreveport, LA 71101
(318) 674-3444

Space Grant Consortium

The Space Grant Consortium in each State consists of colleges, universities, industry, and other organizations that have an interest in aeronautics and space education. Each consortium receives NASA funds for use in implementing a balanced program of research, education, and public service.

Louisiana Space Grant Consortium
Louisiana State University
Department of Physics and Astronomy
227 Nicholson Hall
Baton Rouge, LA 70803-4001
(504) 388-8697

▶ National Science Foundation (NSF)

Louisiana's Statewide Systemic Initiatives (SSI) Program

Louisiana's SSI Program is designed to modernize mathematics and science curricula through changes in teacher preparation programs and enhancement of teaching skills. The integration of math and science standards into curriculum development, textbook adoption, and assessment is a key objective, while additional objectives include upgrading teacher certification standards, incorporating technologies into the classroom, and involving parents in education.

Kerry Davidson, Senior Deputy Commissioner
Academic Affairs and Sponsored Research
Louisiana Board of Regents
150 Riverside Mall, Suite 129
Baton Rouge, LA 70801-1389
(504) 342-4253 / Fax: (504) 342-9318
E-mail: kdavidson@ssi.edc.org

New Mexico

▶ Department of Agriculture (USDA)

4-H State Leader

The State 4-H Youth Development Programs are administered by the Cooperative Extension Service at land-grant universities. State 4-H leaders coordinate outreach services and training to all county offices.

Jesse Holloway, Extension Department Head
4-H and Family
Neale Hall, Room 286
Drawer 3AE, New Mexico State University
Las Cruces, NM 88003-0003
(505) 646-3026 or 1157 / Fax: (505) 646-5975
E-mail: jholloway@nmsu.edu

Ag in the Classroom State Leader

This program promotes increased understanding of agriculture and possible careers in the agricultural sciences. With National leadership provided by USDA, each State manages its own programs, with assistance from agribusiness, educational institutions, and government.

Smokey Blanton, AITC State Chairman
New Mexico Farm and Livestock Bureau
421 North Water
Las Cruces, NM 88001
(505) 526-5521 / Fax: (505) 525-0858

▶ Department of Defense (DoD)

Phillips Laboratory

The laboratory offers student apprenticeship programs designed to motivate students towards engineering and technical careers.

Richard Keppler
Phillips Laboratory/CA
3550 Aberdeen Avenue, SE
Kirkland AFB, NM 87117-5776
(505) 846-1327

▶ Department of Education (ED)

Eisenhower State Coordinators

Eisenhower State Coordinators administer the Eisenhower Professional Development Program State Formula grants. The program focuses on sustained and intensive high-quality professional development through inservice programs.

Patricia Valdez
Eisenhower Professional Development Program
New Mexico Department of Education
300 Don Gaspar Street
Santa Fe, NM 87501-2786
(505) 827-4244 / Fax: (505) 827-6694

Eisenhower State Coordinators for Higher Education

Eisenhower State Coordinators oversee the Eisenhower Professional Development State Formula Grants for the State Agency for Higher Education (SAHE). The program focuses on teacher enhancement through both inservice and preservice programs.

Dr. Bill Simpson
Eisenhower Professional Development Program
New Mexico Commission of Higher Education
1068 Cerrillos Road
Santa Fe, NM 87501-4295
(505) 827-7383 / Fax: (505) 827-7392

Pacific and Southwest Regional Technology in Education Consortium (PSR*TEC)

ED established the Regional Technology in Education Consortia (R*TEC) program in the fall of 1995 to help States, districts, schools, adult literacy centers, and other educational institutions use advanced technology to support improved teaching and student achievement. R*TEC's role in educational technology is unique in two ways: the emphasis is regional and the primary goal is to ensure that technology is used effectively to support school reform. Program strategies include professional development, technical assistance and information dissemination.

Kevin Rocap, Director
PSR*TEC
Center for Language Minority Education and Research
c/o College of Education
California State University, Long Beach
1250 Bellflower Boulevard
Long Beach, CA 90840-2201
(310) 985-1570 / Fax: (310) 985-4528
E-mail: krocap@csulb.edu
WWW: http://www.csulb.edu/~clmer/pswrtc/pswrtc.html

Neal Kaske, R*TEC Project Officer
U.S. Department of Education
Office of Educational Research and Improvement
Office of Library Programs, Room 300h
555 New Jersey Avenue NW
Washington, DC 20208-5571
(202) 219-1871
E-mail: nkaske@inet.ed.gov

Southwest Consortium for the Improvement of Mathematics and Science Teaching (SCIMAST)

The Eisenhower Regional Consortium provides information and technical assistance to help States and school districts improve mathematics and science education.

Stephen Marble, Director
SCIMAST
211 East Seventh Street
Austin, TX 78701
(512) 476-6861 / Fax: (512) 476-2286
WWW: http://www.sedl.org/sedl/scimast.html

Southwest Educational Development Laboratory (SEDL)

SEDL identifies effective teaching techniques and school improvement efforts within the region and shares this information with State and local educators.

Wesley A. Hoover, Executive Director
SEDL
211 East Seventh Street
Austin, TX 78701
(512) 476-6861 / Fax: (512) 476-2286
WWW: http://www.sedl.org

▶ Department of Energy (DOE)

Adventures in Supercomputing (AiS)

The AiS program is designed to foster and enhance the participation of diverse populations of high school students in mathematics, science, and computing.

Barbara G. Summers, Education Program Manager
Oak Ridge National Laboratory
Office of University and Science Education
PO Box 2008, MS 6366
Oak Ridge, TN 37831-6366
(423) 241-3705 / Fax: (423) 241-6776
E-mail: summersbg@ornl.gov

Inhalation Toxicology Research Institute (ITRI)

ITRI promotes environmental health science education through teacher research programs, high school summer programs, facility tours, and minority outreach programs.

Marcy Wood, Specialist
Inhalation Toxicology Research Institute
PO Box 5890
Albuquerque, NM 87185
(505) 845-1257 / Fax: (505) 845-1198
E-mail: mwood@lucy.tli.org

Los Alamos National Laboratory

The laboratory provides teacher enhancement workshops, student research internships, summer programs for students, outreach programs, and educational technology programs.

Judith Kaye, Group Leader
Science Education and Outreach
Los Alamos National Laboratory
PO Box 1663 HR-SEO, P278
Los Alamos, NM 87545
(505) 667-1919 / Fax: (505) 665-4093
E-mail: jkaye@lanl.gov

Sandia National Laboratories (New Mexico)

The laboratories offer a quality organization program for schools, a science enhancement program for teachers, and a student mentorship program.

Anthony Thornton, Ph.D., Director
Diversity Leadership and Education Outreach
Sandia National Laboratories/New Mexico
MS 1356
PO Box 5800
Albuquerque, NM 87185-1356
(505) 271-7984 / Fax: (505) 271-4104
E-mail: althorn@sandia.gov

▶ Department of the Interior (DOI)

Aztec Ruins National Monument

The monument offers educators guided walks and a teacher guide that focuses primarily on anthropology and history, but also incorporates aspects of environmental education.

Interpretation Division
Aztec Ruins National Monument
PO Box 640
Aztec, NM 87410
(505) 334-6174

Bosque del Apache National Wildlife Refuge

Teacher workshops, in-school presentations, and various other environmental education activities are offered through the refuge.

Outdoor Recreation Planner
Bosque Del Apache National Wildlife Refuge
PO Box 1246
Socorro, NM 87801
(505) 835-1828 / Fax: (505) 835-0324

Bureau of Indian Affairs (BIA) Hands-On Science and Mathematics Workshop

These hands-on courses are presently being provided by Sandia National Laboratories staff working with Adams State College under a joint Sandia/Adams Memorandum of Agreement to enhance science and mathematics education as part of the Office of Indian Education Programs of the BIA. The latest courses provide hands-on instruction in e-mail, Internet, and electronic and telecomputing methods for the practical science and mathematics classroom.

Dr. Byron Dean, Program Coordinator
MS 1351, Department 3020
Sandia National Laboratories
PO Box 5800
Albuquerque, NM 87185
(505) 889-2322

Bureau of Land Management State Office

This office provides information about educational programs, materials, and local land-management issues.

Theresa Herrera
Bureau of Land Management
PO Box 27115
Santa Fe, NM 87502-0115
(505) 438-7841

Carlsbad Caverns National Park

Programs offered educate students and teachers about the site's geology and natural history. The Environmental Education in the Chihuahuan Desert—Parks as Classrooms program involves teacher workshops, one week-long workshop through New Mexico State University for graduate credit, and two-day workshops for teachers from Juarez, Mexico and the local area.

Teresa M. Jaskiewicz, Outreach/Education Coordinator
Carlsbad Caverns National Park
3225 National Parks Highway
Carlsbad, NM 88220
(505) 785-2232, ext. 432
Fax: (505) 785-2133

Project WILD

Project WILD offers teacher training and educational materials. Teacher guides, free to teachers who attend the training session, contain more than 80 supplementary, interdisciplinary activities for grades K–12.

Eddie Bennett, Project WILD Coordinator
New Mexico Game and Fish Department
State Capitol Building
Santa Fe, NM 87503
(505) 827-7867 / Fax: (505) 827-7801

Sandia National Laboratories

RAISE: Rural American Indian Science Education Workshop provides an elementary and a secondary component. The elementary component is piloting a new type of science and math curriculum, Full Option Science System (FOSS). The training workshop will be focused on learning the activities associated with the kits/modules to be used in the school during the school year. The secondary component consists of a two-week teacher workshop. The first week of the workshop is for training in the specific use of the activities and kits. The second week is scheduled for student teaching and computer training.

Ruth Bitsui, Program Coordinator
MS 1351, Department 3020
Sandia National Laboratories
PO Box 5800
Albuquerque, NM 87185
(505) 889-2341

White Sands National Monument

The monument sponsors a number of educational programs:

- **Camping in the Dunes** allows students to learn about minimum-impact resource use, ethics, camping skills, desert ecology, astronomy, and animal tracks on an overnight camping trip with a ranger.
- **Desert and Dunefield Ecology** sends students on a nature walk in the dunefield, where they learn the characteristics of a desert and how plants and animals adapt to desert and dunefield conditions.
- **Five-day teacher workshops** introduce teachers to park resources and hands-on activities in the areas of geology, desert ecology, Tularosa Basin history, endangered species, exotics, and biodiversity. This workshop includes two field trips. In an overnight workshop, teachers learn about minimum impact resource use, ethics, and camping skills in a classroom pre-session. In an overnight camping trip in the field, they learn about desert ecology and astronomy and practice minimum impact resource use.
- **Geology of Tularosa Basin and Gypsum Dunefield** allows students to climb a dune that provides a view of the mountains (source of gypsum), a small playa (model of larger one that is the source of sand), the plains, and the dunefield. They learn how the basin and dunefield were formed.
- **Project Learning Tree (PLT) Workshop** is a supplemental environmental education program that uses forests as the vehicle to teach basic ecological principles. Teachers are introduced to the program, activities, and activity guide by participating in and leading activities.
- **Project Wild Workshop** introduces the teachers to the program and activity guides. They participate in doing and leading the activities. Project Wild uses wildlife as the vehicle to teach basic ecological principles.

Anne Doherty, Education Specialist
White Sands National Monument
PO Box 1086
Holloman AFB, NM 88330-1086
(505) 479-6124 / Fax: (505) 437-9971

▶ Department of Labor (DOL)

Job Training Partnership Act (JTPA) Liaison

The JTPA Liaison can provide information about the Job Training Partnership Act State and local programs for economically disadvantaged adults and youth.

Patrick G. Baca, Secretary
New Mexico Department of Labor
PO Box 1928
Albuquerque, NM 87103
(505) 841-8409 / Fax: (505) 841-8491

▶ Department of Transportation (DOT)

Federal Aviation Administration (FAA) Aviation Education

The FAA Aviation Education Representative coordinates aviation education services, including materials and programs for the FAA in the States assigned to the region.

Programs include the following:

- **The Aviation Career Education (ACE) Academy** is a one-week summer aviation education program for high school students sponsored by the FAA along with a host educational institution. The program provides students with diverse experiences in aviation career exploration. The focus is on aviation career clusters identified by FAA, with an emphasis on opportunities for women and minorities. A goal is to have one program in each State and U.S. Territory. The FAA will conduct regional leadership workshops and provide funds based on the availability of resources.
- **Aviation Education Workshops for Teachers** provide teachers with information on FAA aviation programs and materials and prepare them to teach aviation in the classroom. Annual workshops are conducted at colleges and universities across the Nation. The FAA provides information, materials, and speakers for the program.
- **National Congress on Aviation and Space Education** is sponsored annually by the FAA in partnership with the National Aeronautics and Space Administration and the Civil Air Patrol. The meeting includes teacher workshops and crosstalk sessions to exchange ideas on promoting aerospace education.

Debra Myers, ASW-18B, FAA Aviation Education Representative
2601 Meacham Boulevard
Fort Worth, TX 76193-018B
(817) 222-5833 / Fax: (817) 222-5950

FAA Aviation Education Resource Centers

Located at colleges, museums, and State aviation authority offices, these centers function as information distribution centers for Federal Aviation Administration education materials and resources. The Resource Centers maintain and provide quantities of printed materials, videotapes, and computer educational software. Center personnel can also provide general information, conduct workshops, and make aviation-related presentations.

Judy McShannon
Aviation Education Resource Center
New Mexico State University
Goddard Hall, Room 103
Las Cruces, NM 88003-0001
(505) 646-6414

Richard S. Sanchez, Director
Aviation Education Resource Center
University of New Mexico
FAA/NASA Educator Resource Center
Division of Continuing Education
Albuquerque, NM 87131-4006
(505) 277-2631

▶ Environmental Protection Agency (EPA)

EPA Regional Office

This office takes part in a variety of environmental education programs for both teachers and students. Programs range from teacher workshops and student contests to in-school presentations. Information on environmental issues is also available through the Public Information Center located at the office.

Jo Taylor, Environmental Education Coordinator
Environmental Protection Agency
1445 Ross Avenue (6X)
Dallas, TX 75202
(214) 655-2204 / Fax: (214) 655-2118

The President's Environmental Youth Awards (PEYA) Program

Young people from each State are invited to participate in PEYA, a nationwide program designed to encourage individuals, school classes, summer camps, public interest groups, and youth organizations to promote environmental awareness and community involvement. The two components of the program are the regional certificate program and the National awards competition. Regional certificates, signed by the President, are awarded to each participant by EPA Regional Offices. National individual project winners, or one representative from a National award-winning group project, along with one sponsor, are honored at EPA headquarters, Washington, DC. Interested K–12 individuals or groups may obtain application materials and contest rules by contacting the EPA Regional Office that serves their State. PEYA has been an ongoing project since it was created by the White House Office of Education and the EPA in 1971.

EPA Region 6
1445 Ross Avenue
Dallas, TX 75202-2733
(214) 655-2204 / Fax: (214) 655-2118

▶ National Aeronautics and Space Administration (NASA)

NASA Educator Resource Center

The center has NASA-related educational materials in various formats, including laserdiscs, CD-ROMs, videotapes, slides, audiotapes, publications, and teacher guides. Educators may preview or copy NASA materials upon request.

NASA Johnson Space Center
Educator Resource Center
Mail Code AP-2
2101 NASA Road One
Houston, TX 77058-3696
(713) 483-8696

NASA Field Centers

Each field center has an educational programs officer who is responsible for precollege education programs. In addition to administering National programs, the center offers programs and services to meet regional and local needs.

Dr. Robert W. Fitzmaurice, Center Education Programs Officer
Public Affairs Office AP2
NASA Johnson Space Center
2101 NASA Road One
Houston, TX 77058-3696
(713) 483-1257

NASA Regional Educator Resource Center (RERC)

To offer more educators the opportunity to visit the Educator Resource Center Network (ERCN), NASA forms partnerships with planetariums, universities, museums, and other nonprofit organizations to serve as RERCs. Teachers may preview or copy NASA materials upon request.

University of New Mexico
NASA Regional Educator Resource Center
Continuing Education and Community Service
1634 University Boulevard NE
Albuquerque, NM 87131-4006
(505) 277-3861

New Mexico State University
NASA Regional Educator Resource Center
New Mexico Space Grant Consortium
Box 30001, Department SG
Las Cruces, NM 88003-0001
(505) 646-6414

Space Grant Consortium

The Space Grant Consortium in each State consists of colleges, universities, industry, and other organizations that have an interest in aeronautics and space education. Each consortium receives NASA funds for use in implementing a balanced program of research, education, and public service.

New Mexico Space Grant Consortium
New Mexico State University
PO Box 30001, Department SG
Las Cruces, NM 88003-0001
(505) 646-6414

▶ National Science Foundation (NSF)

New Mexico's Statewide Systemic Initiatives (SSI) Program

New Mexico's SSI Program advocates restructuring mathematics and science education and coordinating resources. The RE:Learning model for school-based reform incorporates new content and pedagogy into mathematics and science curricula.

Albert Zanora
New Mexico Department of Education
300 Don Gaspar Street
Santa Fe, NM 87501
(505) 827-6508

Oklahoma

▶ Department of Agriculture (USDA)

4-H State Leader

The State 4-H Youth Development Programs are administered by the Cooperative Extension Service at land-grant universities. State 4-H leaders coordinate outreach services and training to all county offices.

State 4-H Program Leader
Oklahoma State University
Room 205, Poultry Building
Stillwater, OK 74078-6063
(405) 744-5391 / Fax: (405) 744-6522

Ag in the Classroom State Leader

This program promotes increased understanding of agriculture and possible careers in the agricultural sciences. With National leadership provided by USDA, each State manages its own programs, with assistance from agribusiness, educational institutions, and government.

Dr. Charles Cox
Oklahoma State University
Room 205, Poultry Building
Stillwater, OK 74078-6063
(405) 744-5391 / Fax: (405) 744-6522

Jo Theimer
Oklahoma Department of Agriculture
2800 North Lincoln Building
Oklahoma City, OK 73105-4298
(405) 521-3864 / Fax: (405) 521-4912

▶ Department of Education (ED)

Eisenhower State Coordinators

Eisenhower State Coordinators administer the Eisenhower Professional Development Program State Formula grants. The program focuses on sustained and intensive high-quality professional development through inservice programs.

Keith Haley
Eisenhower Professional Development Program
Oklahoma Department of Education
2500 North Lincoln Boulevard
Oklahoma City, OK 73105
(405) 521-3694 / Fax: (405) 521-6205

Eisenhower State Coordinators for Higher Education

Eisenhower State Coordinators oversee the Eisenhower Professional Development State Formula Grants for the State Agency for Higher Education (SAHE). The program focuses on teacher enhancement through both inservice and preservice programs.

Kermit McMurry
Eisenhower Professional Development Program
Oklahoma Regents for Higher Education
500 Education Building, State Complex
Oklahoma City, OK 73105-4503
(405) 524-9100 / Fax: (405) 524-9230

South Central Regional Technology in Education Consortium (SCR*TEC)

ED established the Regional Technology in Education Consortia (R*TEC) program in the fall of 1995 to help States, districts, schools, adult literacy centers, and other educational institutions use advanced technology to support improved teaching and student achievement. R*TEC's role in educational technology is unique in two ways: the emphasis is regional and the primary goal is to ensure that technology is used effectively to support school reform. Program strategies include professional development, technical assistance, and information dissemination.

Jerry D. Chaffin and Ron Aust, Co-Directors
SCR*TEC
Center for Research on Learning
University of Kansas
Suite 2021—Dole Human Development Building
Lawrence, KS 66045
(913) 864-0699 or 4954
Fax: (913) 864-4149
WWW: http://scrtec.org/

Stephen Balkcom, R*TEC Project Officer
U.S. Department of Education
Office of Educational Research and Improvement
ORAD/SLSD, Room 506g
555 New Jersey Avenue NW
Washington, DC 20208-5644
(202) 219-2089
E-mail: sbalkcom@inet.ed.gov

Southwest Consortium for the Improvement of Mathematics and Science Teaching (SCIMAST)

The Eisenhower Regional Consortium provides information and technical assistance to help States and school districts improve mathematics and science education.

Stephen Marble, Director
SCIMAST
211 East Seventh Street
Austin, TX 78701
(512) 476-6861 / Fax: (512) 476-2286
WWW: http://www.sedl.org/sedl/scimast.html

Southwest Educational Development Laboratory (SEDL)

The Regional Educational Laboratory identifies effective teaching techniques and school improvement efforts within the region and shares this information with State and local educators.

Wesley A. Hoover, Executive Director
SEDL
211 East Seventh Street
Austin, TX 78701
(512) 476-6861 / Fax: (512) 476-2286
WWW: http://www.sedl.org

▶ Department of Energy (DOE)

National Institute for Petroleum and Energy Research (NIPER)

The Education Outreach Program at NIPER develops partnerships to promote industry and community support of science education. Programs include teacher training, workshops, student research programs, a teacher intern program, and the Oklahoma Science Bowl. For example, Teacher Training in Oil and Gas Exploration is a five-day course that provides an awareness of America's dependence on oil based products, an understanding of basic earth science concepts as applied to the exploration of oil and gas, first-hand experience with the tools used in exploration, and a field trip.

Judy Kokesh, Technology Transfer Specialist
National Institute for Petroleum and Energy Research
PO Box 2565
Bartlesville, OK 74005
(918) 337-4508 / Fax: (918) 337-4365
E-mail: jkokesh@bpo.gov

▶ Department of the Interior (DOI)

Bureau of Land Management State Office

This office provides information about educational programs, materials, and local land-management issues.

Theresa Herrera
Bureau of Land Management
PO Box 27115
Santa Fe, NM 87502-0115
(505) 438-7841

Chickasaw National Recreation Area

The park offers guided nature walks that focus on geology and environmental education.

Division of Interpretation
Chickasaw National Recreation Area
PO Box 201
Sulphur, OK 73086
(405) 622-3161

Project WILD

Project WILD offers teacher training and educational materials. Teacher guides, free to teachers who attend the training session, contain more than 80 supplementary, interdisciplinary activities for grades K–12.

Lisa Anderson, Project WILD Co-Coordinator
Department of Wildlife Conservation
1801 North Lincoln Boulevard
Oklahoma City, OK 73105
(405) 521-6704 / Fax: (405) 521-6898

Lisa Knauf, Project WILD Co-Coordinator
Oklahoma Conservation Commission
2800 North Lincoln Boulevard, Suite 160
Oklahoma City, OK 73105
(405) 521-2384 / Fax: (405) 521-6686

Wichita Mountains National Wildlife Refuge

Wichita Mountains National Wildlife Refuge offers environmental education programs, including teacher-accredited workshops. Curriculum materials are available.

Programs include the following:

- **Biodiversity—The Wichita Biome** uses the refuge as a showcase and center of biodiversity protection. The staff involve participants in an action-based curriculum designed to help assess the health of their environment. The curriculum provides a strong base in biological sciences interspersed with political and social science. Students analyze various components of their environment, such as air quality, water quality, floral and faunal components, and cultural diversity.
- **Edible Plants** is a program used to give students a sense of humankind's relationship to nature and dependence on habitat. Students learn to recognize and use several common prairie plant species, and correlate their activities to the maintenance of healthy grassland conditions.
- **Geology: The Past, Present, and Future of the Wichita Mountains** is an overview of the geologic history of the Wichita Mountains. It teaches basic identification techniques of rocks and minerals. Special emphasis is placed on mankind's impact on the resources, from early gold mining through present-day recreational and industrial impacts.

Claudine Daniel, Environmental Education Specialist
Wichita Mountains NWR
R.R. #1, Box 448
Indiahoma, OK 73552
(405) 429-3221 / Fax: (405) 429-9323

▶ Department of Labor (DOL)

Job Training Partnership Act (JTPA) Liaison

The JTPA Liaison can provide information about the Job Training Partnership Act State and local programs for economically disadvantaged adults and youth.

Glen E. Robards, Jr., Director of JTPA
Oklahoma Employment Security Commission
201 Will Rogers Building
Oklahoma City, OK 73105
(405) 557-5329 / Fax: (405) 557-7256

▶ Department of Transportation (DOT)

Federal Aviation Administration (FAA) Aviation Education

The FAA Aviation Education Representative coordinates aviation education services, including materials and programs for the FAA in the States assigned to the region.

Programs include the following:

- **The Aviation Career Education (ACE) Academy** is a one-week summer aviation education program for high school students sponsored by the FAA along with a host educational institution. The program provides students with diverse experiences in aviation career exploration. The focus is on aviation career clusters identified by FAA, with an emphasis on opportunities for women and minorities. A goal is to have one program in each State and U.S. Territory. The FAA will conduct regional leadership workshops and provide funds based on the availability of resources.
- **Aviation Education Workshops for Teachers** provide teachers with information on FAA aviation programs and materials and prepare them to teach aviation in the classroom. Annual workshops are conducted at colleges and universities across the Nation. The FAA provides information, materials, and speakers for the program.
- **National Congress on Aviation and Space Education** is sponsored annually by the FAA in partnership with the National Aeronautics and Space Administration and the Civil Air Patrol. The meeting includes teacher workshops and crosstalk sessions to exchange ideas on promoting aerospace education.

Debra Myers, ASW-18B, FAA Aviation
Education Representative
2601 Meacham Boulevard
Fort Worth, TX 76193
(817) 222-5833 / Fax: (817) 222-5950

Robert Hoppers, AMC-5, FAA Aviation
Education Representative
Aeronautical Center
FAA Mike Monroney
PO Box 25082
Oklahoma City, OK 73125
(405) 680-7500 / Fax: (405) 954-4551

FAA Aviation Education Resource Centers

Located at colleges, museums, and State aviation authority offices, these centers function as information distribution centers for Federal Aviation Administration education materials and resources. The Resource Centers maintain and provide quantities of printed materials, videotapes, and computer educational software. Center personnel can also provide general information, conduct workshops, and make aviation-related presentations.

Dr. Lee Morris, Director
Aviation Education Resource Center
University of Oklahoma
Education and Aviation/Aerospace
1700 Asp Avenue
Norman, OK 73037-0001
(405) 325-1964

Steve Marks
Oklahoma State University
FAA Resource Center
308A CITD Building
Stillwater, OK 74078
(405) 744-7015

▶ Environmental Protection Agency (EPA)

EPA Regional Office

This office takes part in a variety of environmental education programs for both teachers and students. Programs range from teacher workshops and student contests to in-school presentations. Information on environmental issues is also available through the Public Information Center located at the office.

Jo Taylor, Environmental Education
Coordinator
Environmental Protection Agency
1445 Ross Avenue (6X)
Dallas, TX 75202
(214) 655-2204 / Fax: (214) 655-2118

The President's Environmental Youth Awards (PEYA) Program

Young people from each State are invited to participate in PEYA, a nationwide program designed to encourage individuals, school classes, summer camps, public interest groups, and youth organizations to promote environmental awareness and community involvement. The two components of the program are the regional certificate program and the National awards competition. Regional certificates, signed by the President, are awarded to each participant by EPA Regional Offices. National individual project winners, or one representative from a National award-winning group project, along with one sponsor, are honored at EPA headquarters, Washington, DC. Interested K–12 individuals or groups may obtain application materials and contest rules by contacting the EPA Regional Office that serves their State. PEYA has been an ongoing project since it was created by the White House Office of Education and the EPA in 1971.

EPA Region 6
1445 Ross Avenue
Dallas, TX 75202-2733
(214) 655-2204 / Fax: (214) 655-2118

Robert S. Kerr Environmental Research Laboratory

Student employment and partnership programs are offered through the laboratory.

U.S. Environmental Protection Agency
Robert S. Kerr Environmental Research
Laboratory
PO Box 1198
Ada, OK 74820
(405) 338-8800

▶ National Aeronautics and Space Administration (NASA)

NASA Educator Resource Center

The center has NASA-related educational materials in various formats, including laserdiscs, CD-ROMs, videotapes, slides, audiotapes, publications, and teacher guides. Educators may preview or copy NASA materials upon request.

NASA Johnson Space Center
Educator Resource Center
Mail Code AP-2
2101 NASA Road One
Houston, TX 77058-3696
(713) 483-8696

NASA Field Centers

Each field center has an educational programs officer who is responsible for precollege education programs. In addition to administering National programs, the center offers programs and services to meet regional and local needs.

Dr. Robert W. Fitzmaurice, Center Education
Programs Officer
Public Affairs Office AP2
NASA Johnson Space Center
2101 NASA Road One
Houston, TX 77058-3696
(713) 483-1257

NASA Regional Educator Resource Center (RERC)

To offer more educators the opportunity to visit the Educator Resource Center Network (ERCN), NASA forms partnerships with planetariums, universities, museums, and other nonprofit organizations to serve as RERCs. Teachers may preview or copy NASA materials upon request.

Oklahoma State University
NASA Aerospace Education Resource Center
308A CITD
Stillwater, OK 74078-0422
(405) 744-7009

Space Grant Consortium

The Space Grant Consortium in each State consists of colleges, universities, industry, and other organizations that have an interest in aeronautics and space education. Each consortium receives NASA funds for use in implementing a balanced program of research, education, and public service.

Oklahoma Space Grant Consortium
University of Oklahoma
College of Geosciences
100 East Boyd Avenue, Suite 1210
Norman, OK 73019-0628
(405) 325-1240

Texas

▶ Department of Agriculture (USDA)

4-H State Leader

The State 4-H Youth Development Programs are administered by the Cooperative Extension Service at land-grant universities. State 4-H leaders coordinate outreach services and training to all county offices.

Dr. Lynne W. Thibodeaux, Assistant Director
for 4-H and Youth Development
Texas A&M University
809 University Drive, East, Building D&E
College Station, TX 77843-2473
(409) 845-1211 / Fax: (409) 845-6495
E-mail: l-thibodeaux@tamu.edu

Ag in the Classroom State Leader

This program promotes increased understanding of agriculture and possible careers in the agricultural sciences. With National leadership provided by USDA, each State manages its own programs, with assistance from agribusiness, educational institutions, and government.

Tad Duncan
Texas Farm Bureau
PO Box 2689
Waco, TX 76702-2689
(817) 772-3030 / Fax: (817) 772-3628

▶Department of Commerce (DOC)

Flower Garden Banks National Marine Sanctuary

The sanctuary offers educational materials and in-school presentations.

Shelley Dupuy, Education Coordinator
Flower Garden Banks National Marine
Sanctuary
1716 Briarcrest Drive, Suite 702
Bryant, TX 77802
(409) 779-2705 / Fax: (409) 779-2234

National Sea Grant College Program, Operation Pathfinder

The program consists of two-week summer courses that present an introduction to oceanographic and coastal processes. Courses are available in six regions and are designed to enhance skills in science teaching.

Sharon Walker
Mississippi-Alabama Sea Grant Consortium
and Gulf Coast Research Laboratory
PO Box 7000
Ocean Springs, MS 39566-7000
(601) 374-5550 / Fax: (601) 374-5559

▶Department of Defense (DoD)

Brooks Air Force Base

The base offers in-class speakers and presentations upon request and also manages a high school student research program. A student summer intern program is also available.

Brooks Air Force Base
HSC/PA
2510 Kennedy Circle, Suite 1
Brooks Air Force Base, TX 78235-5020
(210) 536-3234

Chief of Naval Air Training, Corpus Christi

This unit participates in the Navy Community Service Program through formation of partnerships with schools and other youth organizations in the area.

CNATRA, Corpus Christi TX
Commander
Chief of Naval Air Training
250 Lexington Boulevard, Suite 102
Code 00A2
Corpus Christi, TX 78419-5041
(512) 939-3502

▶Department of Education (ED)

Eisenhower State Coordinators

Eisenhower State Coordinators administer the Eisenhower Professional Development Program State Formula grants. The program focuses on sustained and intensive high-quality professional development through inservice programs.

Cory Green
Eisenhower Professional Development
Program
Texas Education Agency
1701 North Congress
Austin, TX 78701
(512) 463-9006 / Fax: (512) 475-2619

Eisenhower State Coordinators for Higher Education

Eisenhower State Coordinators oversee the Eisenhower Professional Development State Formula Grants for the State Agency for Higher Education (SAHE). The program focuses on teacher enhancement through both inservice and preservice programs.

Eisenhower Professional Development
Program
Texas Higher Education Coordinating Board
7745 Chevy Chase, Building #5
PO Box 12788, Capitol Station
Austin, TX 78711
(512) 483-6319/6224 / Fax: (512) 483-6522

South Central Regional Technology in Education Consortium (SCR*TEC)

ED established the Regional Technology in Education Consortia (R*TEC) program in the fall of 1995 to help States, districts, schools, adult literacy centers, and other educational institutions use advanced technology to support improved teaching and student achievement. R*TEC's role in educational technology is unique in two ways: the emphasis is regional and the primary goal is to ensure that technology is used effectively to support school reform. Program strategies include professional development, technical assistance, and information dissemination.

Jerry D. Chaffin and Ron Aust, Co-Directors
SCR*TEC
Center for Research on Learning
University of Kansas
Suite 2021—Dole Human Development
Building
Lawrence, KS 66045
(913) 864-0699 or 4954
Fax: (913) 864-4149
WWW: http://scrtec.org/

Stephen Balkcom, R*TEC Project Officer
U.S. Department of Education
Office of Educational Research and
Improvement
ORAD/SLSD, Room 506g
555 New Jersey Avenue NW
Washington, DC 20208-5644
(202) 219-2089
E-mail: sbalkcom@inet.ed.gov

Southwest Consortium for the Improvement of Mathematics and Science Teaching (SCIMAST)

The Eisenhower Regional Consortium provides information and technical assistance to help States and school districts improve mathematics and science education.

Stephen Marble, Director
SCIMAST
211 East Seventh Street
Austin, TX 78701
(512) 476-6861 / Fax: (512) 476-2286
WWW: http://www.sedl.org/sedl/
scimast.html

Southwest Educational Development Laboratory (SEDL)

SEDL identifies effective teaching techniques and school improvement efforts within the region and shares this information with State and local educators.

Wesley A. Hoover, Executive Director
SEDL
211 East Seventh Street
Austin, TX 78701
(512) 476-6861 / Fax: (512) 476-2286
WWW: http://www.sedl.org

Department of Energy (DOE)

Pantex Plant

Educational Outreach programs are designed to promote interest in science, math, and engineering among students attending K–12 educational institutions within Region XVI, the 26-county region in which Pantex is located. The region comprises approximately 79,400 students and 6,000 teachers. Many programs will directly impact at-risk students and students already identified as interested in the sciences. The primary message to students is that science, math, and engineering should be considered as major fields of study in higher education and as career choices. Pantex offers student tours, science fairs, and academic contests, loans New Explorers Videos and teacher guides, and also sponsors a teacher internship program.

Debra Halliday, Educational Outreach Coordinator
Pantex Plant -
External Affairs
Building 16-12
PO Box 30020
Amarillo, TX 79177
(806) 477-5038 / Fax: (806) 477-5743
E-mail: dhallida@pantex.com

Department of the Interior (DOI)

Aransas National Wildlife Refuge

The refuge participates in Project WILD and Aquatic WILD, an interdisciplinary, supplementary environmental and conservation education programs emphasizing wildlife.

Smokey Cranfill, Outdoor Recreation Planner
Aransas NWR
PO Box 100
Austwell, TX 77990
(512) 286-3559 or 3533
Fax: (512) 286-3722

Arlington Ecological Services Field Office

The Endangered Species Resource Trunk provides Texas students with an awareness of the plight of endangered species in Texas and worldwide, and what is being done to recover their populations.

The Fish and Wildlife Conservation Trunk provides Texas students with an understanding of fish and wildlife populations in Texas and what is being done to conserve them.

Robert M. Short, Field Supervisor
Arlington Ecological Services Field Office
711 Stadium Drive, Suite 252
Arlington, TX 76011
(817) 885-7830 / Fax: (817) 885-7835

Attwater Prairie Chicken National Wildlife Refuge

In the Teacher's Natural Resource Seminar, teachers from around the State of Texas are introduced to basic ecosystem concepts and other environmental ideas with hands-on activities to enhance their knowledge of environmental subjects.

Terry A. Rossignol, Refuge Operations Specialist
Attwater Prairie Chicken NWR
PO Box 519
Eagle Lake, TX 77434
(409) 234-3021 / Fax: (409) 234-3278

Balcones Canyonlands National Wildlife Refuge

Staff provide onsite talks and presentations to local school children at the request of their schools. The refuge also coordinates all aspects of the Junior Duck Stamp Contest in the State of Texas. This involves instructing teachers and children on how to depict waterfowl in a natural setting, visiting schools to make them aware of the educational benefits of participating in the contest, judging the contest, generating publicity, and providing other information as needed.

Deborah Holle, Refuge Manager
Balcones Canyonlands NWR
10711 Burnet Road, Suite 201
Austin, TX 78758
(512) 339-9432 / Fax: (512) 339-9453

Big Thicket National Preserve

The preserve offers interdisciplinary, curriculum-based environmental education programs for all age groups. Accredited teacher workshops are offered.

Other programs include the following:

- **Big Thicket Field Trips** are curriculum-based, interdisciplinary programs for early and upper elementary students. The programs meet Texas State Essential Elements requirements and are based on Big Thicket regional resource management research and critical issues. Activities are age appropriate and use interactive methods to develop an understanding and commitment to environmental preservation.
- **Big Thicket—A Biological Crossroads** is a secondary curriculum guide that synthesizes environmental studies into a whole to promote appreciation of the Big Thicket. Facts are presented in an unbiased fashion to give students the opportunity to make educated decisions regarding their environment.
- **Environmental Education Skills** is for professional development of front-line people who deal with school and youth groups, develop and present education programs and materials, and serve as liaisons with local teachers and education professionals.
- **Project Wild—Big Thicket** is a supplementary, interdisciplinary environment and conservation education program for educators.

Leslie E. DuBey, Resource Education Specialist
Big Thicket National Preserve
3785 Milam
Beaumont, TX 77701
(409) 839-2689/ Fax: (409) 838-2599
E-mail: Leslie_Dubey@NPS.gov

Bureau of Land Management State Office

This office provides information about educational programs, materials, and local land-management issues.

Theresa Herrera
Bureau of Land Management
PO Box 27115
Santa Fe, NM 87502-0115
(505) 438-7841

Career Oriented Science and Mathematics Integrated Course (COSMIC)

This three-week summer program is designed to encourage girls in exploring future careers in the fields of science and math. Participants meet women professionals in various fields.

Gail B. Rainey, Physical Oceanographer
1201 Elmwood Park Boulevard
New Orleans, LA 70123
(504) 736-2792 / Fax: (504) 736- 2610

Guadalupe Mountains National Park

In Field Trip to the Guadalupe Mountains, students are introduced to the various life zones of the park and learn about the prehistoric and historic occupants of the area.

Richard McCamant, Chief
Interpretation and Visitor Services
Guadalupe Mountains National Park
HC 60, Box 400
Salt Flat, TX 79847
(915) 828-3251 / Fax: (915) 828-3269

Matagorda Island Environmental Education and Research Program

This program consists of prepared minicourses on all phases of the ecology, geology, and cultural history of the island. Research is offered on selected topics including ecology, endangered species, and wildlife management.

Wayne H. McAlister, Environmental Education Specialist
Matagorda Island NWR
PO Box 100
Austwell, TX 77901
(512) 286-3559 / Fax: (512) 286-3722

Minerals Management Service (MMS) Regional Office

The MMS Regional Office provides a range of educational services. Teacher inservice programs and classroom visitations may include supplemental materials. Availability may be limited, but arrangements may be made for duplication of some materials at minimal cost.

Gulf of Mexico Outer Continental Shelf Region
Minerals Management Service
Office of Public Affairs
1201 Elmwood Park Boulevard, MS 5000
New Orleans, LA 70123-2394
(504) 736-2595
(800) 200-GULF / Fax: (504) 736-2459

Padre Island National Seashore

Environmental programs, guided nature walks, and in-school presentations are offered by Padre Island National Seashore.

Other programs include the following:

- **Ecosystem of Padre Island** allows students to explore the beach, grasslands, and mud flats found on Padre Island. Through a series of data collection activities, the students begin to understand the complex ecosystem of the Island.
- **A Grain of Salt** lets students use scientific data gathering techniques to deduce that the natural elements in our environment have a direct relation to the survival of many plants and animals found on Padre Island.
- **It's for the Birds** uses a series of activities to help students understand how birds adapt to the habitat found at Padre Island.
- **Plants, Who Needs 'Em** provides a series of on-site activities to help students explore the role plants play on the island and their interrelationship to the animals.
- **The Traveling Trunk** contains teacher-directed activities covering the historic aspect of European discovery of the area and scientific information and activities on the habitats of Padre Island.
- **What's Awash in the Gulf** uses activities to help students learn about marine debris and other pollution that enters the Gulf of Mexico and eventually ends up on the beaches of Padre Island.

John Lujan, Chief of Interpretation
Padre Island National Seashore
9405 South Padre Island Drive
Corpus Christi, TX 78418
(512) 949-8173 / Fax: (512) 949-8023

Project WILD

Project WILD offers teacher training and educational materials. Teacher guides, free to teachers who attend the training session, contain more than 80 supplementary, interdisciplinary activities for grades K–12.

Kathryn Hampton, Project WILD Coordinator
Texas Parks and Wildlife Department
4200 Smith School Road
Austin, TX 78744
(512) 328-6035 / Fax: (512) 328-5632

Santa Ana National Wildlife Reserve

The refuge provides teacher packets with lesson plans targeted for grades K–6, interpretive presentations, environmental education programs, and a visitor center that offers interpretive exhibits and displays. Fifty-two interpretive tram tours are offered to school groups of 60, free of charge. Groups are given an environmental education tour that discusses the flora and fauna and ecology of the area, and encourages students to participate in thinking of ways to preserve, protect, and expand habitat areas in the lower Rio Grande Valley.

Yvette Vasquez, Outdoor Recreation Planner
Santa Ana NWR
Route 2, Box 202-A
Alamo, TX 78516
(210) 787-3079 / Fax: (210) 787-8338

▶ Department of Labor (DOL)

Job Training Partnership Act (JTPA) Liaison

The JTPA Liaison can provide information about the Job Training Partnership Act State and local programs for economically disadvantaged adults and youth.

James E. Boyd, Director
Work Force Development Division
Texas Department of Commerce
PO Box 12728-Capitol Station
Austin, TX 78711-2728
(512) 320-9801 / Fax: (512) 320-9875

▶ Department of Transportation (DOT)

Federal Aviation Administration (FAA) Aviation Education

The FAA Aviation Education Representative coordinates aviation education services, including materials and programs for the FAA in the States assigned to the region.

Programs include the following:

- **The Aviation Career Education (ACE) Academy** is a one-week summer aviation education program for high school students sponsored by the FAA along with a host educational institution. The program provides students with diverse experiences in aviation career exploration. The focus is on aviation career clusters identified by FAA, with an emphasis on opportunities for women and minorities. A goal is to have one program in each State and U.S. Territory. The FAA will conduct regional leadership workshops and provide funds based on the availability of resources.
- **Aviation Education Workshops for Teachers** provide teachers with information on FAA aviation programs and materials and prepare them to teach aviation in the classroom. Annual workshops are conducted at colleges and universities across the Nation. The FAA provides information, materials, and speakers for the program.
- **National Congress on Aviation and Space Education** is sponsored annually by the FAA in partnership with the National Aeronautics and Space Administration and the Civil Air Patrol. The meeting includes teacher workshops and crosstalk sessions to exchange ideas on promoting aerospace education.

Debra Myers, ASW-18B, FAA Aviation Education Representative
2601 Meacham Boulevard
Fort Worth, TX 76193
(817) 222-5833 / Fax: (817) 222-5950

FAA Aviation Education Resource Centers

Located at colleges, museums, and State aviation authority offices, these centers function as information distribution centers for Federal Aviation Administration education materials and resources. The Resource Centers maintain and provide quantities of printed materials, videotapes, and computer educational software. Center personnel can also provide general information, conduct workshops, and make aviation-related presentations.

Isaac Nettey, Director
Aviation Education Resource Center
Texas Southern University
Airway Science Program
3100 Cleburne Avenue
Houston, TX 77004
(713) 639-1847

Olin Lancaster, Director
Aviation Education Resource Center
Frontiers of Flight Museum
Love Field Terminal, BL-38
Dallas, TX 75235
(214) 350-3600

Bruce Hoover
Aviation Education Resource Center
Palo Alto College
Aviation Department
1400 West Villarette
San Antonio, TX 78224
(512) 921-5162

Campus Librarian
Aviation Education Resource Center
Texas State Technical College
Aerospace Technologies
3801 Campus Drive
Waco, TX 78708
(817) 799-3611

Dr. Jim Milson, Chairman
Aviation Education Resource Center
University of Texas at El Paso
Education Building, Room 403
El Paso, TX 79968-0574
(915) 747-5426

▶ Environmental Protection Agency (EPA)

EPA Regional Office

This office takes part in a variety of environmental education programs for both teachers and students. Programs range from teacher workshops and student contests to in-school presentations. Information on environmental issues is also available through the Public Information Center located at the office.

Jo Taylor, Environmental Education
Coordinator
Environmental Protection Agency
1445 Ross Avenue (6X)
Dallas, TX 75202
(214) 655-2204 / Fax: (214) 655-2118

The President's Environmental Youth Awards (PEYA) Program

Young people from each State are invited to participate in PEYA, a nationwide program designed to encourage individuals, school classes, summer camps, public interest groups, and youth organizations to promote environmental awareness and community involvement. The two components of the program are the regional certificate program and the National awards competition. Regional certificates, signed by the President, are awarded to each participant by EPA Regional Offices. National individual project winners, or one representative from a National award-winning group project, along with one sponsor, are honored at EPA headquarters, Washington, DC. Interested K–12 individuals or groups may obtain application materials and contest rules by contacting the EPA Regional Office that serves their State. PEYA has been an ongoing project since it was created by the White House Office of Education and the EPA in 1971.

EPA Region 6
1445 Ross Avenue
Dallas, TX 75202-2733
(214) 655-2204 / Fax: (214) 655-2118

▶ National Aeronautics and Space Administration (NASA)

NASA Educator Resource Center

The center has NASA-related educational materials in various formats, including laserdiscs, CD-ROMs, videotapes, slides, audiotapes, publications, and teacher guides. Educators may preview or copy NASA materials upon request.

NASA Johnson Space Center
Educator Resource Center
Mail Code AP-2
2101 NASA Road One
Houston, TX 77058-3696
(713) 483-8696

NASA Field Centers

Each field center has an educational programs officer who is responsible for precollege education programs. In addition to administering National programs, the center offers programs and services to meet regional and local needs.

Dr. Robert W. Fitzmaurice
Center Education Programs Officer
Public Affairs Office AP2
NASA Johnson Space Center
2101 NASA Road One
Houston, TX 77058-3696
(713) 483-1257

Space Grant Consortium

The Space Grant Consortium in each State consists of colleges, universities, industry, and other organizations that have an interest in aeronautics and space education. Each consortium receives NASA funds for use in implementing a balanced program of research, education, and public service.

Texas Space Grant Consortium
2901 North IH 35, Suite 200
Austin, TX 78722-2348
(512) 471-3583
(800) 248-8742

▶ National Science Foundation (NSF)

Texas Statewide Systemic Initiatives (SSI) Program

The Texas SSI Program will focus on changes in teacher development. Strategies include Renaissance Centers to house teams of master teachers, scientists, mathematicians, and higher education faculty to reform preservice and inservice programs; the involvement of business, industry, and universities to work with educational service centers and school districts; and the establishment of an infrastructure for distance learning.

Uri Triesman
Mathematics Department
University of Texas
Austin, TX 78712
(512) 471-6190 / Fax: (512) 471-6193

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☐ *A teacher educator* ☐ *A college faculty member* ☐ *Other*________________

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